

MINUTES - TILLAMOOK COUNTY BOARD OF COMMISSIONERS' STAFF MEETING
Monday, July 12, 2004
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10:30am
TASSI O'NEIL
COUNTY CLERK

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COMMISSIONERS PRESENT: Paul A. Hanneman, Chairperson
Charles J. Hurliman, Vice Chairperson

COMMISSIONER ABSENT: Tim Josi, Commissioner
(Attending an AOC Meeting)

STAFF PRESENT: Mary Wujcik, Board Assistant

STAFF PRESENT FOR PORTIONS OF MEETING: Tim Lutz, Assessor/Tax Collector; Karen Dye, Treasurer; Craig Schwinck, Human Resources & Information Services Director; Lois Muehlbauer, Human Resources, Generalist; Bill Campbell, Community Development Director; Aaron Suko, Public Works Director

GUESTS: Ivan Boge; Gary Lettman, ODF Economist; Mark Labhart, District Forester; see attached guest list

CALL TO ORDER: By Chair Hanneman at 9:00 a.m. in the Commissioners' Meeting Room.

ITEM NO. 1: PUBLIC COMMENTS - NON-AGENDA ITEMS: There were no comments.

ITEM NO. 2: DISCUSSION CONCERNING PROPOSED LOCAL OPTION LEVY FOR COUNTY VETERANS SERVICE OFFICE: Mr. Lutz explained where the idea came from. The program had always operated at a minimum level of support. He believed this might be the time to ask the Board to consider this option for funding the program. With a tax rate of 6.5-7¢ per \$1000 of assessed value, a home valued at \$200,000 would only pay \$13 per year.

Ms. Dye said they had talked to Mr. Weld, the Veterans Service Officer, about this. He was working on purchasing a van to drive veterans to Portland to the hospital and other appointments. He may have found some funding for that.

Commissioner Hurliman said he understood that the levy was proposed to be for only five years. Mr. Lutz said that was his recommendation.

Chair Hanneman said they would not take action currently, but would make a determination at the Wednesday Board meeting. He had thought there were other needs, such as County roads, that would have been his priority. He discussed the need to make headway on obtaining funding from State Forestry for repairing roads used for hauling logs from the state forest timber sales. He said the Assistant Attorney General was to have an opinion on how that could be done.

Chair Hanneman asked if the proposed rate was what they wanted to go forward with.

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1 Commissioner Hurliman noted that it was remarkable the services Mr. Weld had been able to
2 provide on a shoestring. He reviewed the services offered and the people Mr. Weld had helped. He
3 would like to give the voters an opportunity to vote on this.

4
5 Mr. Lutz said the board had the option of levying less than what the voters authorized.

6
7 There was a consensus to keep the matter on the agenda for July 14.

8
9 **ITEM NO. 3: CONSIDERATION OF EXTENSION #2 TO AGREEMENT WITH OREGON**
10 **CORRECTIONS ENTERPRISES, ENGINEERING SUPPORT SERVICES, FOR GIS**
11 **MAPPING, TO EXTEND THE TERM OF THE CONTRACT TO SEPTEMBER 30, 2004:**

12 Mr. Lutz explained the background of the project, which was 88% complete. No additional funds
13 would be needed.

14
15 Commissioner Hurliman moved to sign the extension, Chair Hanneman seconded, passed with two
16 aye votes.

17
18 The Commissioners signed Extension #2.

19
20 **ITEM NO. 4: CONSIDERATION OF OFFERS TO PURCHASE COUNTY-OWNED**
21 **PROPERTIES (PARCEL #11 - 3N10 27CA 06400; PARCEL #15 - 1S10 3CD 1126; AND**
22 **PARCEL #18 - 5S10 30B 103) PREVIOUSLY OFFERED FOR SALE AT ANNUAL**
23 **AUCTION OF TAX-FORECLOSED PROPERTY:** After discussion, Chair Hanneman moved
24 to approve the sale of the three properties for the offers submitted, Commissioner Hurliman
25 seconded, passed with two aye votes.

26
27 **ITEM NO. 5: CONSIDERATION OF WEB SERVICES AGREEMENT WITH THE**
28 **OREGON ASSOCIATION OF O&C COUNTIES FOR WEBSITE MAINTENANCE AND**
29 **HOSTING SERVICES REGARDING TITLE II AND TITLE III PROJECTS UNDER PL**

30 **106-393:** Commissioner Hurliman explained how the agreement would work. He recommended
31 approval today and then waiting 45 days to sign it.

32
33 Ms. Dye felt this would be the most appropriate way to deal with this.

34
35 Commissioner Hurliman moved to recommend posting it today and signing it in 45 days, Chair
36 Hanneman seconded, passed with two aye votes.

37
38 Chair Hanneman asked Ms. Dye about advanced expenditures. He discussed advancing funds to
39 Public Works out of the General Fund, to be paid back from the timber sale funds. He said the
40 money from the State would lag far behind the work that needed to be done. This was not really part
41 of the Budget Committee's decision.

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1 Ms. Dye said she needed to understand more about how the money would come from the State
2 Forest and what level of funding it would be. This type of thing would be a policy decision; it would
3 be a whole new policy that the Budget Committee might needed to be involved in. She discussed
4 the number of unknowns involved, including the Health Department's continuing to lose money and
5 how that would impact the budget.

6
7 Commissioner Hurliman said the money would come from a predetermined amount based on the
8 amount of timber money; the money would have to be spent in the area where it was collected.

9
10 Ms. Dye said if the 50/50 Plan (Ballot Measure 120) passed, there would be no timber and no money.

11
12 **ITEM NO. 6: HUMAN RESOURCES & INFORMATION SERVICES UPDATE: Safety**
13 **Committee:** Mr. Schwinck said one of the Parks/Public Works Safety Committee members had left
14 County employment. He said Mr. Schleichert would like to be appointed for a while to learn more
15 about the Committee and the County.

16
17 Commissioner Hurliman asked if department heads usually served on this committee. Mr. Schwinck
18 said that, historically, the membership was 50% management and 50% union.

19
20 There was a consensus to put the order of appointment on the agenda for July 14th.

21
22 Mr. Schwinck said Mr. Upton would be giving the quarterly report on the retirement fund at the
23 August 9th Staff Meeting at 10:00 a.m.. Commissioner Hurliman suggested he not do the entire
24 brochure each time he came to give his report, as he believed it cost more time and overhead for Mr.
25 Upton's firm.

26
27 **Coffee Committee:** Mr. Schwinck said the Coffee Committee had earmarked \$2500 for employee
28 activities. Ms. Muehlbauer said on July 28th there would be a "hump day" cookout on the
29 Courthouse lawn, and they wanted to invite the City employees, as well as State Court employees,
30 and the Board agreed that was a good idea. She said that after work on Friday, August 27th, they
31 were planning an after work bonfire and chili cook-off at Barview Park. She said they wanted the
32 Commissioners to be the judges.

33
34 **Discussion Regarding Radios & Emergency Communications:** Mr. Schwinck said the radio users
35 group was meeting on Thursday and had not received news of any problems in the last twenty days.

36
37 Chair Hanneman asked if any progress had been made to take care of the dead zone on Highway 22,
38 where cell phones and radios did not work. Mr. Schwinck said they were working with the Fire
39 Marshal on identifying the dead zones. Then they would figure out how to overcome that.

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1 Commissioner Hurliman said there were always objections to where the cell phone towers needed
2 to be placed.

3
4 There was discussion regarding the use of satellite phones and mobile repeaters.

5
6 Mr. Manning said the owner of the wind generator had offered to allow the cell phone repeater to
7 be placed on his property, which would cover the Little Nestucca Rive Road area.

8
9 **ITEM NO. 7: COMMUNITY DEVELOPMENT UPDATE: a. Discussion Concerning Waiving**
10 **Fees for Project on Wilson River:** Mr. Boge said he had thought he could help the County in
11 keeping the Tillamook River Road from washing out. The bank was washing away and headed for
12 the County road. The landowner was Don Averill. Mr Boge said he went through the proper
13 channels and got the permit, which cost \$413. He said Ms. Phipps had helped him a lot. He had
14 asked her if the fees could be waived, but she could not authorize that. Mr. Boge felt he was
15 protecting the County road and should not have to pay for it himself.

16
17 Chair Hanneman asked Mr. Suko for his comments. Mr. Suko said the area was not within the road
18 right-of-way, so it was not impacting the road yet. Mr. Manning said you could see that it was
19 heading that way. He said it was a good mitigation action.

20
21 Mr. Boge said he had waited to get the permits before he placed any material in the area. He said
22 Commissioner Josi had been talking to DSL about this. Mr. Averill, as the property owner, had said
23 he would pay him for his costs. He had not involved the Watershed Council.

24
25 Chair Hanneman said it was a navigable river, so DSL would have jurisdiction.

26
27 Mr. Campbell said Mr. Boge should fill out a form requesting a fee waiver.

28
29 Chair Hanneman said he was in favor of granting the waiver and working with DSL. Commissioner
30 Hurliman asked about procedures. Mr. Campbell outlined the steps that should be taken.

31
32 Chair Hanneman said he believed the Board was in favor of the waiver, and he moved to waive the
33 fees, Commissioner Hurliman seconded, passed with two aye votes.

34
35 **Miscellaneous:** Mr. Campbell distributed the weekly building section report. He said they had
36 received the adjusted plan for the Tillamook High School project. He had met with the District
37 Superintendent, Mr. Schild, to discuss possible price reductions on the fire-resistant sheet rock, as
38 3200 sheets would be needed.

39

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1 **Planning Commission Discussion:** There was discussion regarding the action taken by the
2 Planning Commission on the Riparian Ordinance at their Thursday, July 8, meeting. Mr. Campbell
3 said his staff would provide a summary for the Board's review.

4 Chair Hanneman said that when the Planning Commission's decision was presented to Mr. Shetterly
5 and Mr. Wooley, DLCD, they offered to take the information back to Salem for review and then
6 return it with remarks and suggestions. The Chair said the Board would make a decision based on
7 the input from DLCD and the Planning Commission on July 28.

8
9 **Rock Pit Complaint & City of Garibaldi:** Mr. Campbell discussed the rock pit and Mr. Crab's
10 complaint to the City. He outlined what their actions were and their contact with DOGAMI and the
11 pit's operator. Since that time, there had been no further complaints from Mr. Crab. He said the rock
12 pit was operating under an approved permit. The pit site was included in the County's comprehensive
13 plan. Mr. Crab had signed a certificate of "non-remonstrance" when he got his permit for his bed
14 and breakfast. The quarry was one of the activities allowed on the Farm and Forest uses.

15
16 Commissioner Hurliman said he was present at the original meeting when Mr. Crab presented his
17 complaint to the city.

18
19 **Discussion Regarding Emergency Vehicle Access in South County:** Mr. Campbell discussed Mr.
20 Suko's reply to Fire Chief Fletcher regarding access for the District's emergency vehicles. He
21 discussed the meeting that would be held.

22
23 **ITEM NO. 8: PUBLIC WORKS UPDATE:** Mr. Suko said they would be starting the centerline
24 and fog line striping this week, as per their contract with Marion County. Alpine Construction
25 would begin this week on the culvert replacement. Overlay paving was ongoing.

26
27 Mr. Suko said the Road Advisory Committee was meeting that afternoon. Chair Hanneman said
28 that, as soon as it came in, he would provide him with a copy of the Attorney General's opinion on
29 road repair funding with State Forest revenues.

30
31 Commissioner Hurliman asked about Mr. Duren. Mr. Suko said Ms. Schwinck had not yet talked
32 to Mr. Duren. They would be researching the ordinance and the franchise agreement. Commissioner
33 Hurliman asked if the County was prepared to pull the franchise. Mr. Suko said there was a process
34 for doing that, beginning with the Solid Waste Advisory Committee. After the SWAC made a
35 recommendation, the matter would be brought back to the Board.

36
37 Mr. Suko noted that the SWAC and CRAC groups would be meeting on alternate months.

38
39 Chair Hanneman asked if there was a gauge on the striping machine that could be set for the width
40 of the road. Mr. Suko said that on narrow roads, they usually do not paint the fog lines, just the

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1 center stripes. Mr. Suko said they had not done as much sweeping prior to painting as they had done
2 in the past. The crews had been busy elsewhere.

3
4 Commissioner Hurliman asked about the Old Woods Road being classified as a Military Road.

5
6 **ITEM NO. 11: NON-AGENDA ITEMS:** Mr. Manning said they would be doing the siren tests
7 that day. He would be meeting with the Port regarding emergency evacuations and deployment
8 information.

9
10 There was general discussion regarding flooding on Possetti Road.

11
12 **ITEM NO. 10: CONSIDERATION OF PARTICIPATING IN DEVELOPING**
13 **METHODOLOGY FOR COMMUNITY LEVEL IMPACT MODELING:** Mr. Labhart
14 introduced the guests and asked Mr. Lettman to make his presentation.

15
16 Mr. Lettman reviewed what the purpose and the methodology was and what the local communities
17 could use the information for. He said three communities were chosen to participate; they were
18 Enterprise, John Day and Tillamook. Mr. Lettman began a power point presentation. He discussed
19 the forest assessment mandated by the Board of Forestry. He outlined the types of information that
20 would be available to the communities.

21
22 Chair Hanneman asked if the modeling that had been done by Mason, Bruce & Girard had been
23 included. Mr. Lettman said he knew them and was familiar with their work. Chair Hanneman asked
24 if he had attended the fiscal management session. Mr. Lettman said he had but had not had a chance
25 to review what was proposed.

26
27 There was discussion regarding the Legislature and the general fund having to backfill dollars lost
28 to counties if the 50/50 ballot measure passed.

29
30 Chair Hanneman asked if the City had endorsed the project. Mayor McPheeters said they were going
31 forward with it. There was no cost to the community in participating.

32
33 Commissioner Hurliman asked if there was any portion of this that could be tied into incidence of
34 alcoholism, etc., and the tie to unemployment. Mr. Lettman said income data could be provided and
35 sent to another agency for analysis.

36
37 Mr. Lettman explained how the data that was collected could be used. It was necessary to get correct
38 data from each community. Mr. Labhart asked if the data collected could offer support on the 50/50
39 ballot measure. Mr. Lettman said he thought that it could to a certain extent but the model might not
40 be ready by November.

41

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1 Mayor McPheeters said he would be presenting information on the 50/50 ballot measure at the next
2 Mayors and Administrators meeting in Garibaldi.

3
4 Mr. Lettman discussed the process for gathering the information. He brought an example of a study
5 that was done in Nevada.

6
7 Ms. Clay asked how much time it would take to get the information. Mr. Lettman said the would
8 hire someone to collect the necessary data.

9
10 There was a consensus by the Commissioners to support the effort.

11
12 **ITEM NO. 9: STAFF UPDATE/CALENDAR REVIEW & SCHEDULING/AGENDA**
13 **REVIEW/SUGGESTION BOX/INTER-OFFICE MATTERS:** The Commissioners reviewed the
14 agenda and the calendar for the week. There were no changes in the agenda.

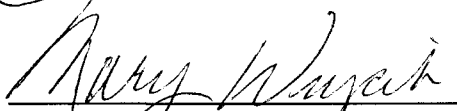
15
16 **ITEM NO. 11: BOARD CONCERNS - NON-AGENDA ITEMS & ANNOUNCEMENTS:**
17 There were none.

18
19 **ITEM NO. 12: PUBLIC COMMENTS:** There were none.

20
21 Chair Hanneman adjourned the meeting at 11:55 a.m.

22
23 RESPECTFULLY submitted this 1st day of Sept, 2004.

24
25 County Clerk: Tassi O'Neil

26
27 
28 _____
29 Mary Wujcik, Recording Secretary
30 & Special Deputy

31
32 APPROVED BY:

33
34   
35 _____
36 Chairperson Vice Chairperson Commissioner



CALL TO ORDER – July 12, 2004

1. **9:00 a.m.** Public Comments – Non-Agenda Items – **REQUEST TO SIGN GUEST LIST**
2. Discussion Concerning Proposed Local Option Levy for County Veterans Service Office/Tim Lutz, Karen Dye & Steve Weld
3. Consideration of Extension #2 to Agreement with Oregon Corrections Enterprises, Engineering Support Services, for GIS Mapping, to Extend the Term of the Contract to September 30, 2004/Tim Lutz
4. Consideration of Offers to Purchase County-Owned Properties (Parcel #11 - 3N10 27 CA 06400; Parcel # 15 - 1S10 3CD 1126; and Parcel #18 – 5S10 30B 103) previously Offered for Sale at Annual Auction of Tax-Foreclosed Property
5. Consideration of Web Services Agreement with the Oregon Association of O&C Counties for Website Maintenance and Hosting Services Regarding Title II and Title III Projects under PL 106-393/Commissioner Hurliman
6. Human Resources & Information Services Update/Craig Schwinck
7. Community Development Update/Bill Campbell
 - a. Discussion Concerning Waiving Fees for Project on Wilson River/Commissioner Hurliman
8. Public Works Update/Aaron Suko
9. Staff Update/Calendar Review & Scheduling/Agenda Review/Suggestion Box/Inter-Office Matters
10. **11:15 a.m.** Consideration of Participating in Developing Methodology for Community Level Impact Modeling/Gary Lettman, ODF Economist & Mark Labhart, District Forester
11. Board Concerns, Non Agenda Items & Announcements
12. Public Comment

ADJOURNMENT

Following tradition, the Commissioners will **NOT** be holding a Board Meeting the opening day of the Tillamook County Fair, which is **Wednesday, August 11**, this year.

LOCAL COMMUNITY-LEVEL MODELING BRIEFING

July 12, 2004

Tillamook Commissioners Staff Mtg. 11:15 a.m.

Purpose:

To assess level of interest in Tillamook County in a community-level economic model for the City of Tillamook.

Areas Selected for Model Building:

Cities of Tillamook, Enterprise, and John Day.

Mandated Uses of Models:

Assess economic impacts and opportunities of forest management for Oregon Board of Forestry's Forest Assessment Project, Oregon State Forest Program (Tillamook and Clatsop State Forests) Planning, and US Forest Service National Forest Plans.

Other Uses:

Tool for learning about and for assessing economic development strategies for local communities.

How this differs from previous work:

Will allow tracking of economic activity within communities by specific economic sectors, Tillamook's lodging industry for example.

Funding:

Funded by the US Forest Service and Oregon Department of Forestry. There are no financial costs to the county or to the Economic Development Council.

Products:

Easy-to-use data bases of economic data for selected communities and community-level spreadsheet models of the economies of selected communities.

Timeline:

Three communities to be completed by July, 2005 or sooner.

Example:

Community-level economic models for cities in the Tahoe California/Nevada area will be demonstrated.

1 hr

July 12 Staff

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INBOX: Would Like to Come and Talk to the Commission Abou... (3 of 10)

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Date: Fri, 4 Jun 2004 16:24:20 -0700

From: LABHART Mark W <MLABHART@ODF.STATE.OR.US>

To: "Hanneman, Paul" <phannema@co.tillamook.or.us>

Cc: "Hurliman, Chuck" <churlima@co.tillamook.or.us>, "Josi, Tim - Comm." <tjosi@co.tillamook.or.us>, "LeVesque, Paul" <plevesqu@co.tillamook.or.us>, "Viehoever, Karen" <k.viehoever@edctc.com>, "Wujcik, Mary" <mwujcik@co.tillamook.or.us>, LETTMAN Gary <GLETTMAN@ODF.STATE.OR.US>, "LABHART, Mark" <MLABHART@ODF.STATE.OR.US>

Subject: Would Like to Come and Talk to the Commission About This Effort

Hi Paul

The purpose of this email is to ask permission to come and talk to the Commission on Monday July 12th about a project that the County might be interested in. The meeting would determine if the County is interested in participating and would be willing to participate. The entire project is funded by ODF and the USFS. There is no financial costs to the county or to the Economic Development Council. Below is some background information provide by Gary Lettman, ODF's economist. Diane Snyder, Board of Forestry Board member and the Dept. have asked if Tillamook County would like to participate in this project. There will only be a few areas selected to participate.

Mark

-----Original Message-----

From: LETTMAN Gary
 Sent: Friday, June 04, 2004 2:56 PM
 To: Mark LABHART (E-mail)
 Subject: More Generalized Text

Mark,

Below is some text from our assessment study plan. This is targeted toward forest restoration but the uses of the models would be much broader, including economic development, State Forest Planning, and National Forest Planning. The Forest Service is paying for developing the models; we will just pay for collecting the data for communities of interest to us.

Gary

Developing methodology for community level economic impact modeling - Monitoring by the Oregon Economic and Community Development Department, ODF, and others have identified rural communities under economic stress. Landscape level vegetative modeling studies such as CLAMS and INLAS will likely produce estimates of areas in need of treatment to bring them back to healthy conditions. Including the economic impacts that these treatments may have for

local communities should be factored into decision making to prioritize treatments undertaken, as well as where these treatments might occur, and in formulating policies to help distressed communities while improving forest health.

Treatments could produce material typically used by the lumber and wood products industry, such as sawlogs, pulpwood, and chips. Also produced might be wood fiber not traditionally utilized by Oregon's forest products industry, such as fiber from small or poor quality trees which might be used to fuel electrical generation plants.

Currently, estimates of economic impact are available through the IMPLAN (IMPact Analysis for PLANning) and other modeling systems at the county level. For many analyses, this level of modeling is adequate. In other-- particularly rural-areas, impacts are localized and models specific to local communities need to be developed. Knowledge exists to build economic impact models at the community level, but these models are not currently being constructed. Therefore, allocation of lands for restoration treatments is being made with incomplete information and little concern for the economic impacts of restoration activities.

These community economic impact models would be a type of regional input/output models that would be constructed using subcounty resolution and detail but built around logical analysis areas. The U.S. Forest Service is planning on developing a modeling system and data at the zip code level that could be used as a basis for community level economic impact modeling. Additional work will be required to build the models and validate the initial data provided by the Forest Service. Building prototype models and validating the models for the Blue Mountain Demonstration Area would cost approximately \$40,000 and would be undertaken in the 2001-2003 biennium. Once expertise in building these models has been developed within ODF and PNW, the cost of building additional models for other areas in Oregon would be minimal. An additional \$14,000 for publishing a final report would be needed; this funding is unsecured.

COMMUNITY-LEVEL INPUT-OUTPUT MODELS: HISTORY, ACCOUNTING STRUCTURE, DATA SOURCES, AND IMPACT DISPLAY

I. Background and Purpose

Community-level input-output modeling has its origins in Hank Robison's University of Utah doctoral dissertation (1985). The thrust of that work later appeared in two journal articles, Robison and Miller, "Cross-hauling and Non-Survey Input-Output Models: Some Lessons from Small-Area Timber Economies," *Environment and Planning A*, 20; and Robison and Miller, 1991, "Central Place Theory and Community Input-Output Analysis," *Papers in Regional Science*, 70(4).

Community IO has seen considerable application. They played a role in the first round of forest planning on the Payette and Bridger-Teton National Forests in the mid-1980s, and more recently as part of the second round of forest planning on the Payette, Boise and Sawtooth National Forests. In between, community models have been built for other National Forests, the U.S. Park Service, the Idaho Legislature, the Idaho Department of Transportation, the state of Utah, the Tahoe Regional Planning Association, the Federal Energy Regulatory Commission, and for miscellaneous assortment of independent cities and counties. All together, IO models have been constructed for upwards of 80 communities in seven western states.

A grant in the mid-1990s from the USDA Cooperative State Research Service funded the further documentation of the theory and practice of community IO

modeling. This work was ultimately documented in two journal articles, Robison, 1997, "Community Input-Output Models for Rural Area Analysis: with an Example from Central Idaho," *Annals of Regional Science*, 31(3); and Robison and Lahr, 1997, "The Effect of Bifurcation Error in Small-Area Intercommunity Input-Output Models: An Example from Northcentral Idaho," *Journal of Regional Analysis and Policy*, 27(1).

The purpose of the research proposed below is fundamentally two-fold, 1) to standardize the community IO modeling approach, and 2) to present practical guidelines for doing community IO modeling field work. The paper is developed in three parts. The first part addresses the issue of community definition and the notion of intercommunity trade. The second details the structure of community IO regional accounts. And the third addresses the practical issues of community-level data definition and availability. The final report will be delivered in a form ready for publication as research station technical paper.

II. Major Report Elements

II.1 Community Definition and Intercommunity Trade

Community definition, i.e., identifying community boundaries, is the obvious starting point for the community IO modeling exercise. Related issues covered in this section include trade dominance, intercommunity trade, and commuting. The section will be developed with reference to the relevant theoretical literature, particularly that relating to functional economic areas, central place hierarchies, and city regions. The theoretical development will be liberally brought to life with examples and anecdotes from real world community modeling exercises. The section will be illustrated with a generous collection maps and diagrammatic figures.

II.2 Community Accounts

Rural community economies are the most open of all regional economies, and this calls for special attention when it comes to accounting for inflows and outflows. The set of regional accounts developed for community IO modeling pay particular attention to residents' income, the distinction between inside and outside income sources, incomes attributable to visitors and recreation home owners, funding for schools and local government, and commuting, both in-commuting as a community income leakage, and out-commuting as a source of residents' outside income. This section will develop community accounts in standard double entry fashion, and then carefully add these accounts to the overall mathematics of the community input-output model.

III.3 Data Sources for Community IO Models

Data are relatively scarce at the sub-county level, and much of the data needed to build a community IO model must be either synthesized from other source data, or collected in the field. This section will cover both data types. A major source of synthesized data comes through a process that uses County Business Patterns data at the individual zip code level to community-disaggregate county level data to communities. This process will be demonstrated and its pitfalls discussed. Another area of needed data pertains to intercommunity trade. These data have been estimated in the past using a variety of techniques, and these will be presented. More recently, work at the USDA Inventory and Monitoring Institute (IMI) using a gravity approach has been advanced as a vehicle for obtaining intercommunity trade data. All these approaches will be discussed and demonstrated. The gathering of field data falls under two headings, data to check on the accuracy of synthesized data, and data that is otherwise unavailable by other than direct means. Past community IO modeling experience will serve to illustrate both of these field data collecting types.

II. 4 Use of Community IO Modeling in Forest Planning

EMSI has substantial experience with economic impact assessment in Forest Service land management planning and this section draws on that experience to present an approach for displaying impact results. The section can be broken into two parts. The first shows how to assemble a community economic profile, and how to project these profiles into the future. Profiles serve as the backdrop for displaying the impact of forest plan alternatives. The second part discusses the steps in going from alternative forest plan output levels to economic impacts, and then how to display these impacts against the backdrop of community profiles.

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to Enter
Changes**

Tahoe
City

Kings
Beach

Incline
Village

South
Lake Tahoe

Visitors: Skiing

Visitors: Gaming

Visitors: Other

Recreation Homes

Out of Basin Out-Commuting

Agriculture

Primary Manufacturing

Secondary Manufacturing

Export Professional Services

New Construction and Investment

State Government

Federal Government

Outside Property Income

Transfer Payments

Stateline

Instructions:

Click an option button (Column D) to enter changes in a given activity.

Enter a change in one or more community regions for the activity selected; then hit ENTER.

Repeat these steps to affect other activities and communities as desired.

When completed hit the **SUBMIT CHANGES** button.

Select the **VIEW REPORTS** and/or **PRINT** buttons to view and print specific reports.