

SPECIAL CITY COUNCIL MEETING  
NOVEMBER 20, 1984

SPECIAL CITY COUNCIL MEETING

NOVEMBER 20, 1984

8:00 a.m.

Present: Council Members: Hinchman, Olson, Pinkerton, Reid, and Snider (Mayor)

Absent: Council Members: None

Also Present: City Manager Glaves, Assistant City Manager Glenn, Public Works Director Ronsko, City Attorney Stein and City Clerk Reimehe

- a) To consider membership in the Transmission Agency of Northern California (Joint Power Agreement for Ownership Interest in the 3rd Pacific Northwest Intertie)

The matter was introduced by City Manager Glaves. A summarization of the status of the California-Oregon Transmission Project as prepared by Lloyd H. Harvego was presented for Council's review as follows:

"The purpose of the memorandum is to summarize the present status of the California-Oregon Transmission Project. There have been a number of key actions in the last two weeks, all of which have been provided to you verbally, however, I feel it is appropriate that we summarize them in writing for you. In respect to the CEQA process, progress has been made to a limited extent in getting Western to recognize that TANC will be the Lead Agency under CEQA. This has been a long slow process, but I believe we have generally accomplished our objectives.

I've had several discussions with the Southern California Public Agencies and believe that they are generally prepared to participate in TANC. Those agencies who will be active participants in the Project are: Azusa, Anaheim, Banning, Colton, Riverside and Vernon. The Los Angeles Department of Water and Power, Glendale, and Pasadena have been invited, but I am not particularly encouraged about their participation. Los Angeles will have a non-voting membership in the Project Management Committee. I believe that we can come up with an informal working relationship that will be beneficial to all parties.

The most important recent action has been the successful agreement on the allocation of the new line capacity. The general allocation is as follows:

1. TANC - 700 MW; which would decrease to 653 MW on January 1, 2005, if DWR chose to become a Participant.
2. Southern California Public Agencies - 125 MW; reducing to 117 MW in 2005 for DWR.
3. Investor-Owned Utilities - 675 MW; reducing to 630 MW in 2005 for DWR.
4. Western Area Power Administration - 100 MW.
5. DWR - 100 MW; commencing on January 1, 2005.

In addition to the above, SMD obtained agreement that their 200 MW of transmission capacity on the existing Intertie System will be reinstated and continued for the life of the lines. SMD will have the right to assign up to 50 MW of their capacity to others. As a result of this action, SMD agreed to lower their percentage participation in TANC from 35 percent to approximately 30.6 percent. Further, as part of the overall arrangements, TANC has agreed to lay off varying amounts of line capacity to both Investor-Owned Utilities and the Southern California Municipal Agencies. Based upon these

Continued November 20, 1984

proceedings, the new percentage participation by the TANC Members is as follows:

<u>TANC</u>	<u>Project</u>
<u>Member</u>	<u>Share %</u>
SMD	30.6
Santa Clara	20.2
MID	19.2
TID	12.9
NCPA	10.7
Redding	6.4
TOTAL	100.0

The amount of capacity available to TANC and each of the TANC Members is indicated in Attachments 1 and 2.

In view of the recent change in the participation percentages, each Member needs to consider whether or not a revised Board action is required. If they do, it should also be done in a manner that can accommodate future inclusion of the Southern California Municipal Agencies. I will provide additional information in the near future.

The plan at the present time is to include the basic understanding between the parties in a Memorandum of Understanding, a draft copy of which is attached, which will be included in the Secretary's Report to Congress. We plan to review and provide input into this report. A meeting will be held at RMI offices on Tuesday, November 13 at 2 p.m.

As you can see, TANC is now taking on additional responsibilities. This is necessary to retain the kind of control that the public agencies of Northern California have now achieved. Therefore, it is very important that the agency be formally organized as soon as practicable.

It should be noted that as part of the overall arrangements worked out with Investor-Owned Utilities, transmission line capacity between Tesla and Midway has also been provided to TANC. The total amount is 300 MW, which included 150 MW for the M-S-R San Juan Project. This amount was basically developed on the basis that PGandE agreed to provide transmission for San Juan, and in the last round of negotiations they agreed to include some additional capacity to be used by all Members.

Under the direction of your Management Team, chaired by Archer Pugh and consisting of Archer Pugh, John Mattimoe, and Don Von Raesfeld, the first phase of this overall project seems to be progressing in a very satisfactory manner. There will undoubtedly be many obstacles and a great deal of difficulties still ahead of us. However, I believe that as a group you have indicated your ability to succeed when you work together. As one who has been involved in the public power business in Northern California for more than 20 years, I am certainly encouraged to see the significant and historic progress that has been made. The result will be that the Northern California publics will obtain a total of 900 MW of transmission capacity to the Northwest; 700 MW to TANC, and 200 MW to SMD. I think this is a significant accomplishment.

We will be contacting you for additional comments on these matters in the near future."

Also present for Council review was the proposed Joint Powers Agreement Transmission Agency of California of Northern California which indicates Lodi's participation percentage at 1.686%.

Various capacity tables and diagrams were presented for Council's perusal.

7746

SPECIAL CITY COUNCIL MEETING  
NOVEMBER 20, 1984

Continued November 20, 1984

An indepth explanation of the subject was presented by City Manager Graves.

Mayor Pro Tempore Hinchman moved that the City of Lodi join the Transmission Agency of Northern California. The motion was seconded by Council Member Olson.

The motion carried by the following vote:

Ayes: Council Members - Olson, Hinchman, Pinkerton, Reid, and Snider (Mayor)

Noes: Council Members - None

Absent: Council Members - None

Council Member Pinkerton expressed his concern that the Council review its participation in various NCPA projects.

On motion of Mayor Pro Tempore Hinchman, Olson second, Council Member Fred Reid was designated as the City of Lodi's Commissioner to the Transmission Agency of Northern California. The motion carried by unanimous vote.

The meeting was adjourned at approximately 8:50 a.m.

Attest:

Alice M. Reimche  
City Clerk

MEMORANDUM

TO: Distribution List

November 7, 1984

FROM: Lloyd H. Harvego *LH*

---

The purpose of this memorandum is to summarize the present status of the California-Oregon Transmission Project. There have been a number of key actions in the last two weeks, all of which have been provided to you verbally, however, I feel it is appropriate that we summarize them in writing for you. In respect to the CEQA process, progress has been made to a limited extent in getting Western to recognize that TANC will be the Lead Agency under CEQA. This has been a long, slow process, but I believe we have generally accomplished our objectives.

I've had several discussions with the Southern California Public Agencies and believe that they are generally prepared to participate in TANC. Those agencies who will be active participants in the Project are: Azusa, Anaheim, Banning, Colton, Riverside and Vernon. The Los Angeles Department of Water and Power, Glendale, and Pasadena have been invited, but I am not particularly encouraged about their participation. Los Angeles will have a non-voting membership in the Project Management Committee. I believe that we can come up with an informal working relationship that will be beneficial to all parties.

The most important recent action has been the successful agreement on the allocation of the new line capacity. The general allocation is as follows:

1. TANC - 700 MW; which would decrease to 653 MW on January 1, 2005, if DWR chose to become a Participant.

2. Southern California Public Agencies - 125 MW; reducing to 117 MW in 2005 for DWR.
3. Investor-Owned Utilities - 675 MW; reducing to 630 MW in 2005 for DWR.
4. Western Area Power Administration - 100 MW.
5. DWR - 100 MW; commencing on January 1, 2005.

In addition to the above, SMUD obtained agreement that their 200 MW of transmission capacity on the existing Intertie System will be reinstated and continued for the life of the lines. SMUD will have the right to assign up to 50 MW of their capacity to others. As a result of this action, SMUD agreed to lower their percentage participation in TANC from 35 percent to approximately 30.6 percent. Further, as part of the overall arrangements, TANC has agreed to lay off varying amounts of line capacity to both Investor-Owned Utilities and the Southern California Municipal Agencies. Based upon these proceedings, the new percentage participation by the TANC Members is as follows:

<u>TANC</u> <u>Member</u>	<u>Project</u> <u>Share %</u>
SMUD	30.6
Santa Clara	20.2
MID	19.2
TID	12.9
NCPA	10.7
Redding	<u>6.4</u>
TOTAL	100.0

The amount of capacity available to TANC and each of the TANC Members is indicated in Attachments 1 and 2.

In view of the recent change in the participation percentages, each Member needs to consider whether or not a revised Board action is required. If they do, it should also be done in a manner that can accommodate future inclusion of the Southern California Municipal Agencies. I will provide additional information in the near future.

The plan at the present time is to include the basic understanding between the parties in a Memorandum of Understanding, a draft copy of which is attached, which will be included in the Secretary's Report to Congress. We plan to review and provide input into this report. A meeting will be held at RMI offices on Tuesday, November 13 at 2 p.m.

As you can see, TANC is now taking on additional responsibilities. This is necessary to retain the kind of control that the public agencies of Northern California have now achieved. Therefore, it is very important that the agency be formally organized as soon as practicable.

It should be noted that as part of the overall arrangements worked out with Investor-Owned Utilities, transmission line capacity between Tesla and Midway has also been provided to TANC. The total amount is 300 MW, which included 150 MW for the M-S-R San Juan Project. This amount was basically developed on the basis that PGandE agreed to provide transmission for San Juan, and in the last round of negotiations they agreed to include some additional capacity to be used by all Members.

Under the direction of your Management Team, chaired by Archer Pugh and consisting of Archer Pugh, John Mattimoe, and Don Von Raesfeld, the first phase of this overall project seems to be progressing in a very satisfactory manner. There will undoubtedly be many obstacles and a great deal of difficulties still ahead of us. However, I believe that as a group you have indicated your ability to succeed when you work together. As one who has been involved in the public power business in Northern California for more than 20 years, I am certainly encouraged to see the significant and historic progress that has been made.

The result will be that the Northern California publics will obtain a total of 900 MW of transmission capacity to the Northwest; 700 MW to TANC, and 200 MW to SMUD. I think this is a significant accomplishment.

We will be contacting you for additional comments on these matters in the near future.

Enclosure

Distribution List

Archer Pugh  
James Beck  
Norman Boberg  
Roger Fontes  
George Fraser  
Sam Lindley  
Ken McKinney

ATTACHMENT 1

CALIFORNIA - OREGON TRANSMISSION PROJECT  
MW OF LINE CAPACITY

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
<b>OWNERSHIP BY TANC MEMBERS</b>	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	653	653
<b>LAYOFF TO SOUTHERN PUBLICS</b>	50	50	50	50	50	25	25	25	25	25	0	0	0	0	0	0	0
<b>LAYOFF TO IOU'S</b>	200	175	150	125	100	75	50	25	0	0	0	0	0	0	0	0	0
<b>NET CAPACITY AVAILABLE TO TANC MEMBERS</b>	450	475	500	525	550	600	625	650	675	675	700	700	700	700	700	653	653

ATTACHMENT 2

CALIFORNIA - OREGON TRANSMISSION PROJECT  
 MW OF LINE CAPACITY

TANC MEMBER	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
SMUD	138	145	153	161	169	184	192	199	207	207	214	214	214	214	214	200	200
SANTA CLARA	91	96	101	106	111	121	126	131	137	137	142	142	142	142	142	132	132
MODESTO	86	91	96	100	105	115	120	124	129	129	134	134	134	134	134	125	125
TURLOCK	58	61	64	68	71	77	80	84	87	87	90	90	90	90	90	84	84
NCPA	48	51	54	56	59	64	67	70	72	72	75	75	75	75	75	70	70
REDDING	29	31	32	34	35	39	40	42	43	43	45	45	45	45	45	42	42
TOTAL	450	475	500	525	550	600	625	650	675	675	700	700	700	700	700	653	653

JOINT POWERS AGREEMENT  
TRANSMISSION AGENCY  
OF NORTHERN CALIFORNIA

9/06/84

JOINT POWERS AGREEMENT  
TRANSMISSION AGENCY OF NORTHERN CALIFORNIA

1. Authority. This Joint Powers Agreement (Agreement) creates an agency by which the parties, the City of Alameda, the City of Biggs, the City of Gridley, the City of Healdsburg, the City of Lodi, the City of Lompoc, the Modesto Irrigation District, the City of Palo Alto, the City of Redding, the City of Roseville, the Sacramento Municipal Utility District, the City of Santa Clara, the Turlock Irrigation District, and the City of Ukiah may jointly exercise the powers they have in common for their common benefit, pursuant to Section 6500 et seq. of the California Government Code. The parties to this Agreement are referred to as "Members", or individually as "Member".

2. Name and Status. The name of the agency shall be the Transmission Agency of Northern California ("Agency"). The Agency, created pursuant to the California Government Code, is a public entity separate from the Members and the Members are not liable for the debts, liabilities, or obligations of the Agency except to the extent that they may have contracted with the Agency to be liable therefor. In contemplation of the provisions of Section 895.2 of the California Government Code imposing certain tort liability jointly upon public entities solely by reason of such entities being parties to an agreement as defined in Section 895 of said Code, the Members and parties hereto, as between themselves, pursuant to the authorization contained in Sections 895.4 and 895.6 of said Code, will each assume the full liability imposed upon it, or any of its officers, agents, or employees by law for injury caused by negligent or wrongful act or omission occurring in the performance of this Agreement to the same extent that such liability would be imposed in the absence of Section 895.2 of said Code. To achieve the above stated purpose each Member shall indemnify and hold harmless each other Member for any loss, costs, or expense that may be imposed upon

such other Member solely by virtue of said Section 895.2. The provisions of Section 2778 of the California Civil Code are made a part hereof as if fully set forth herein.

3. Purpose. The primary purpose of the Agency is to provide electric transmission or other facilities, including real property and rights of way, for the use of the Members. The subsidiary purpose is to do all things which each of its Members could do separately to provide such transmission or other facilities in an economically and financially attractive manner.

4. Powers and Restrictions. The Agency, in its own name, or for the benefit of its Members, shall have the power to acquire by purchase or eminent domain, construct, finance, operate, and maintain facilities for electric power transmission, including, without limitation, the power to purchase, lease, operate, develop, contract for, or own, new or upgraded transmission lines and facilities for the benefit of its Members. The Agency shall also have the power to do all things necessary or convenient to the exercise of its powers that each of the Members could do separately. To comply with the provisions of Section 6509 of the California Government Code, the manner of exercising any power shall be subject to the restrictions of the Sacramento Municipal Utility District on the exercise of its powers.

5. Associate Members. The Agency may establish Associate Members, by separate agreement with the Agency, upon approval of the Commission and provided further that any such prospective Associate Members would not affect the financing capabilities or other powers of the Agency pursuant to California Government Code, Section 6500, et seq. However, it is recognized and agreed that the Plumas-Sierra Rural Electric Cooperative, Inc., is an Associate Member of the Agency at the time the Agency is established.

6. Debt Obligations. In addition to the other powers conferred on the Agency by this Agreement, the Agency may issue and sell debt obligations pursuant to the provisions of Article 2 (commencing with Section 6540), Chapter 5, Division 7, Title 1 of the California Government Code, in such amounts and for such purposes as may be specified in any Project Agreement entered into pursuant to Paragraph 15 hereof. The issuance of such debt obligations by the Agency shall be subject to the prior approval of the Members who participate in such Project. If and when such debt obligations are issued and sold, the obligations of the Members of this Agency shall be fixed by the terms of the Project Agreement and debt indenture, and the obligations of the Members so assumed may not be impaired until and unless full provision is made for the redemption of such debt obligations.

7. Participation Percentages. The Members shall pay for costs associated with the operation of the Agency and are entitled to an undivided interest in all rights and property of the Agency (except as provided in any particular Project Agreement) in the following percentages:

	<u>Percentage</u>
City of Alameda	1.524
City of Biggs	0.061
City of Gridley	0.155
City of Healdsburg	0.273
City of Lodi	1.577
City of Lompoc	0.381
Modesto Irrigation District	18.000
City of Palo Alto	3.977
City of Redding	6.000
City of Roseville	1.614
Sacramento Municipal Utility District	35.000
City of Santa Clara	19.000
Turlock Irrigation District	12.000
City of Ukiah	<u>0.438</u>
	100.000

8. Commission. The Agency shall be governed by a Commission which shall consist of one representative of each of the Members. Any Member may join with other Members for the purpose of designating one representative of such group to the Commission, and such group representatives may represent Members who from time to time, desire such representation. Such group representatives shall be counted for each party they represent, according to the Participation Percentages specified in Paragraph 7, for the purpose of establishing a quorum. Each Member (or group of members) shall select its representative and shall also select an alternative representative, who shall have power to act in the absence or inability to act of the representative. The representatives and alternate representatives may, but need not be, members of the governing bodies of the Members. The Commission shall exercise all the powers of the Agency and shall require (1) for a quorum, the presence of Commissioners who together represent a majority of the Participation Percentages specified in Paragraph 7, and (2) for any action requiring a vote of the Commission, votes totalling not less than eighty-five (85) percent of the Participation Percentages represented by the Commissioners constituting such quorum. Group representatives may represent and vote on behalf of the Member(s) they are representing, except as may be provided in a Project Agreement as set forth hereafter. In order to assure that no single Member can control action by the Commission, for purpose of voting no Member shall be recognized as having a Participation Percentage greater than 40 percent, unless unanimously agreed. Members of the Commission and their alternates shall not receive any compensation for serving as such, but shall be entitled to reimbursement for any expenses actually incurred as a Member or alternate, if the Commission shall so determine.

9. Commission Meetings. The Commission shall hold at least one regular meeting each year, and, by resolution, may provide for the holding of regular meetings at more frequent intervals. The date, hour, and place of each such regular meeting shall be fixed

by resolution of the Commission. Special meetings of the Commission may be called in accordance with the provisions of Section 54956 of the California Government Code.

10. Staff and Consultant. The Agency may have an independent staff or may act through the staff of one or more of the Members with the consent of such Members. The Commission shall also have the power to appoint or employ legal, accounting, engineering, and other consulting services.

11. Chairman and Vice Chairman. The Commission shall annually elect a Chairman and Vice Chairman of the Agency from among its Commissioners or alternate Commissioners, which persons shall serve as Chairman or Vice Chairman of the Commission, with the Chairman presiding at the Commission's meetings and performing such other duties as the Commission may direct and with the Vice Chairman so acting in absence of the Chairman.

12. Treasurer. The Treasurer of the Agency, and its Controller, shall be appointed by the Commission. The Treasurer and the Controller shall comply strictly with the provisions of the statutes relating to their duties found in Chapter 5, Division 7, Title 1 of the California Government Code, beginning with Section 6500. The Treasurer of the Agency and the Controller of the Agency herein designated as the persons responsible for any moneys of the Agency are hereby also designated as responsible for all other property of the Agency. The Controller and the Treasurer shall each file an official bond in the amount determined from time to time by the Commission.

13. Assessments and Budget. Each Member shall bear its own expenses, including the expenses of its Commissioners and alternate Commissioners, but the Agency may assess the Members for their respective Participation Percentage share of funds required by it to carry out its purposes in a total amount not to exceed \$50,000 per year. No additional amount shall be due from

the Members except as they may establish and approve an annual budget therefor.

14. Fiscal Year. The fiscal year of the Agency shall be adopted by the Commission.

15. Project Agreements. No action taken by the Agency shall bind the Members to further support the Agency except to the extent specifically provided for in a Project Agreement approved by the Members which may bind the Members in any way provided therein. Each Member shall have the right to participate in any Project Agreement in the percentage allocated to it in Paragraph 7 hereinabove or, at the option of such Member, in a lesser percentage. If a Project Agreement is not fully subscribed because one or more of the Members does not elect to participate in the full percentage allocated to it in Paragraph 7, the unsubscribed portion may be divided among the remaining Members in proportion to the percentages allocated to them in said paragraph, or as otherwise agreed to by such remaining Members.

16. Amendments. This Agreement may be amended only by a written agreement executed by all existing Members at any time prior to issuance of debt obligations, or at any time after the issuance of debt obligations; provided that no such supplemental agreement shall cause the Agency to violate any condition or restriction in the resolution or resolutions providing for the issuance of such debt obligations.

17. New Members. New Members may join the Agency upon terms and conditions satisfactory to all existing Members. No entity shall become a Member by assignment or otherwise, if that entity does not have the power common to the other Members or if its membership would adversely impact financing.

18. Amendment due to Membership Change. In the event that a Member withdraws from the Agency or that a new Member is

accepted, Paragraph 7 shall be amended to reflect changes in Participation Percentages.

19. Assignments. No Member shall assign its interest in the Agency or in any rights or property acquired by the Agency to any entity which is not a Member of the Agency unless such Member first offers such interest to the other Members of the Agency. The price for such interest, rights or property shall not exceed the cash contributions made by such assigning Member to the Agency, without interest. If the total amount of the assigning Member's interest as set forth in Paragraph 7 of this Agreement is not assumed by the remaining Members within sixty (60) days after such interest is offered to the remaining Members, the assigning Member shall be able to dispose of its total interest pursuant to the terms of this Agreement.

20. Withdrawal from Agency. Any Member wishing to withdraw from the Agency may do so by giving written notice to all other Members at least thirty (30) days in advance of the effective date of such withdrawal. As a condition precedent to withdrawal from the Agency, any Member serving such a notice shall pay its share of all encumbrances, indebtedness and other financial obligations of the Agency, except indebtedness secured by Project Agreements, existing as of the date of service of the notice of withdrawal. The Participation Percentage of the withdrawing Member shall be divided among the remaining Members in proportion to their respective Participation Percentages, unless otherwise agreed to by such remaining Members.

21. Term and Termination. This Agreement shall become effective as the date hereof when executed by all the Members designated in Paragraph 7. It shall remain in effect until all debt obligations and the interest thereon have been paid in full; provided, that unless extended by the Members, the Agreement shall terminate on June 30, 1989, if no debt obligations have been issued and sold on or before that date. Upon such

termination, all debts of the Agency shall be paid by, and the property distributed to, the Members and former Members of the Agency in accordance with their entitlements under the Project Agreements and, if there are assets remaining after such distribution, they shall be divided among the Members and former Members in proportion to the total cash contributions to the Agency made by each such Member or former Member exclusive of Project Agreements. This Paragraph 21 shall survive the termination of the Agreement and dissolution of the Agency.

22. Counterparts. This Agreement may be executed in several counterparts, each of which shall be deemed to be an original and all of which, when taken together, shall constitute a single Agreement.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 1984.

City of Alameda

By \_\_\_\_\_

And \_\_\_\_\_

City of Biggs

By \_\_\_\_\_

And \_\_\_\_\_

City of Gridley

By \_\_\_\_\_

And \_\_\_\_\_

City of Healdsburg

By \_\_\_\_\_

And \_\_\_\_\_

City of Eodi

By \_\_\_\_\_

And \_\_\_\_\_

City of Lompoc

By \_\_\_\_\_

And \_\_\_\_\_

Modesto Irrigation District

By \_\_\_\_\_

And \_\_\_\_\_

City of Palo Alto

By \_\_\_\_\_

And \_\_\_\_\_

City of Redding

By \_\_\_\_\_

And \_\_\_\_\_

City of Roseville

By \_\_\_\_\_

And \_\_\_\_\_

Sacramento Municipal Utility

District

By \_\_\_\_\_

And \_\_\_\_\_

City of Santa Clara

By \_\_\_\_\_

And \_\_\_\_\_

Turlock Irrigation District

By \_\_\_\_\_

And \_\_\_\_\_

City of Ukiah

By \_\_\_\_\_

And \_\_\_\_\_

TABLE 1

CALIFORNIA - OREGON TRANSMISSION PROJECT  
MW OF LINE CAPACITY

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
OWNERSHIP BY TAMC MEMBERS	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	653	653
LAYOFF TO SOUTHERN PUBLIC	50	50	50	50	50	25	25	25	25	25	0	0	0	0	0	0	0
LAYOFF TO IDU'S	200	175	150	125	100	75	50	25	0	0	0	0	0	0	0	0	0
NET CAPACITY AVAILABLE TO TAMC MEMBERS	450	475	500	525	550	600	625	650	675	675	700	700	700	700	700	653	653

TABLE 2

TRANSMISSION AGENCY OF NORTHERN CALIFORNIA  
 CALIFORNIA - OREGON TRANSMISSION PROJECT  
 PARTICIPATION PERCENTAGES  
 (%)

TANC MEMBER	ORIGINAL SHARES	REVISED SHARES
ALAMEDA	1.524	1.630
BIGGS	0.061	0.065
GRIDLEY	0.155	0.166
HEALDSBURG	0.273	0.292
LODI	1.577	1.686 <i>rate of</i>
LOMPOC	0.381	0.408
MID	18.000	19.200
PALO ALTO	3.977	4.254
REDDING	6.000	6.400
ROSEVILLE	1.614	1.730
SMUD	35.000	30.600
SANTA CLARA	19.000	20.200
TID	12.000	12.900
UKIAH	0.438	0.469
TOTAL	100.000	100.000

TABLE 3

CALIFORNIA - OREGON TRANSMISSION PROJECT  
MW OF LINE CAPACITY

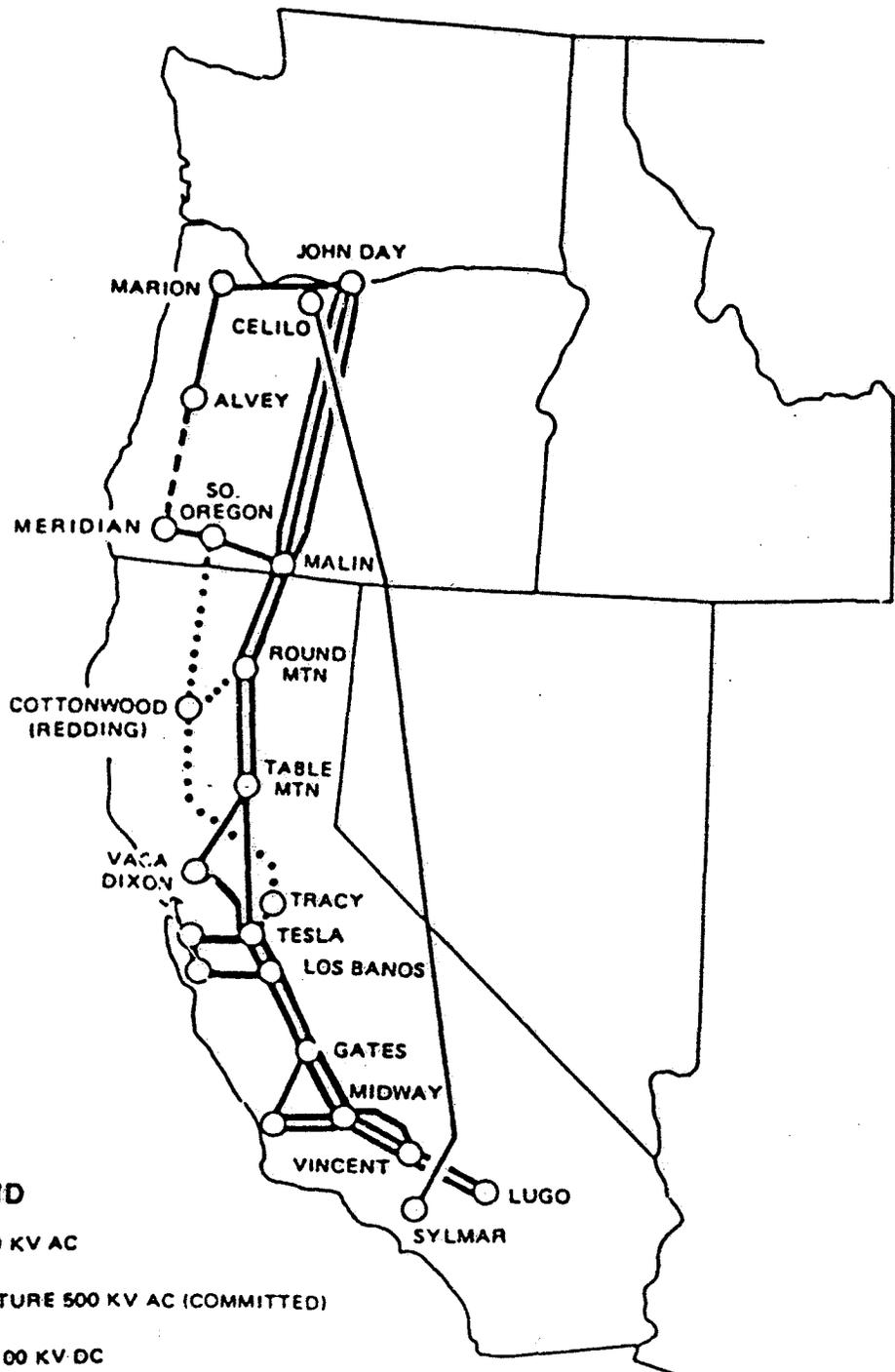
TANC MEMBER	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
SHUD	138	145	153	161	169	184	192	199	207	207	214	214	214	214	214	200	200
SANTA CLARA	91	96	101	106	111	121	126	131	137	137	142	142	142	142	142	132	132
MODESTO	86	91	96	100	105	115	120	124	129	129	134	134	134	134	134	125	125
TURLOCK	56	61	64	68	71	77	80	84	87	87	90	90	90	90	90	84	84
NCPA	48	51	54	56	59	64	67	70	72	72	75	75	75	75	75	70	70
REDDING	29	31	32	34	35	39	40	42	43	43	45	45	45	45	45	42	42
TOTAL	450	475	500	525	550	600	625	650	675	675	700	700	700	700	700	653	653

TABLE 4

NORTHERN CALIFORNIA POWER AGENCY  
CALIFORNIA - OREGON TRANSMISSION PROJECT  
MW OF LINE CAPACITY

NCPA MEMBER	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
ALAMEDA	7.3	7.8	8.2	8.5	9.0	9.8	10.2	10.7	11.0	11.0	11.4	11.4	11.4	11.4	11.4	10.7	10.7
BIGGS	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4
BRIDLEY	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.1	1.1
HEALDSBURG	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9
LODI	7.6	8.0	8.5	8.8	9.3	10.1	10.6	11.0	11.3	11.3	11.8	11.8	11.8	11.8	11.8	11.0	11.0
CONPOC	1.8	2.0	2.1	2.1	2.2	2.4	2.6	2.7	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.7	2.7
PALO ALTO	19.1	20.3	21.5	22.3	23.5	25.4	26.7	27.8	28.6	28.6	29.8	29.8	29.8	29.8	29.8	27.8	27.8
ROSEVILLE	7.8	8.2	8.7	9.1	9.5	10.4	10.8	11.3	11.6	11.6	12.1	12.1	12.1	12.1	12.1	11.3	11.3
UKIAMI	2.1	2.2	2.4	2.5	2.6	2.8	2.9	3.1	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.1	3.1
TOTAL	48.0	51.0	54.0	56.0	59.0	64.0	67.0	70.0	72.0	72.0	75.0	75.0	75.0	75.0	75.0	70.0	70.0

# PACIFIC NORTHWEST - PACIFIC SOUTHWEST INTERTIE



## LEGEND

- 500 KV AC
- - - - - FUTURE 500 KV AC (COMMITTED)
- ± 500 KV DC
- ..... PROPOSED 3rd 500 KV AC LINE