

Transcript of Meeting

Date: November 10, 2021

Case: City of Pittsburgh OPEB Fund

Planet Depos

Phone: 888.433.3767

Email: transcripts@planetdepos.com

www.planetdepos.com

1	3
1 OTHER POST EMPLOYMENT BENEFITS TRUST FUND	1 Hearing none, the motion passes.
PITTSBURGH, PENNSYLVANIA 15219 2	2 We'll now have bills and
3	3 communications. Report from the Chair. The fund
4 SEMI-ANNUAL BOARD MEETING	4 balance as of September 30, 2021 is 33.7 million.
5 November 10, 2021	5 Fund balance of the Disabled Fire
6	6 Fighters OPEB account as of September 30, 2021 is
7	7 just over 139,000.
8 The above matter came on for hearing via	8 The quarterly transfers into the
9 Zoom Conference, taken before Pamela C. Herrmann,	9 OPEB Trust Fund have to resume this year. All of
10 Registered Professional Reporter and Notary Public, on	10 the 2021 payments were transferred in October in
11 November 10, 2021, beginning at 2:00 p.m.	11 the amount of \$2.5 million, October of 2021.
12	12 Transfers to the Police Arbitration
13 APPEARANCES:	13 Fund have continued again for this year.
14 On behalf of Board of City of Pittsburgh: DOUGLAS ANDERSON - CHAIR	14 Transfers to the Fire Arbitration Fund from the
15 MICHAEL LAMB, CONTROLLER JANET MANUEL	15 City's General Fund have continued again for this
16 YVONNE HILTON	
ALSO PRESENT:	16 year as well.
<pre>18</pre>	17 The yearly contribution to the
19 KEITH McFARLAND, Fifth Third DAVID CULPEPPER, Fifth Third 20 AUDRA MARDIS, Korn Ferry	18 Disabled Fire Fighters OPEB Trust Fund has been
WILLIAM URBANIC, City Council Budget Director 21 PATRICK CORNELL	19 made for this year.
22	20 Any questions?
23	Hearing none, we'll move on. I
24	22 will now go to Mr. Frank for Solicitor's report.
25	23 MR. FRANK: Thank you,
	24 Mr. Chairman. Can everybody hear me? Can you all
	25 hear me?
CHAIR ANDERSON: I'd like to call	1 CHAIR ANDERSON: Yes.
_	
November 10, 2021 of the Other Post Employment	3 MS. MANUEL: Yes.
4 Benefits Trust Fund. I'll have a roll call.	4 MR. FRANK: Okay, great. This is a
5 Council President Smith?	5 report on our activity since our April meeting.
6 Controller Lamb?	6 Every May, the professional service providers to a
7 Director Manuel?	7 pension fund under the State Pension Act are
8 MS. MANUEL: Present.	8 required to complete a disclosure form of any
9 CHAIR ANDERSON: Solicitor Hilton?	9 political contributions to City officials, gifts
MS. HILTON: Present.	10 to City elected officials or gifts to City
11 CHAIR ANDERSON: We will now have	11 officials et cetera.
12 public comment. Is there anyone wishing to give	We have two professional service
13 comment?	13 providers: Fifth Third, our investment adviser,
Hearing none, we'll move on.	14 and my law firm. Both disclosures were timely
We will now have the approval of	15 filed and there were no issues with any of the
16 Minutes from the last biennial meeting of April 7,	16 disclosures affecting the ability of those service
17 2021. May I have a motion to approve?	17 providers to continue to provide.
MS. MANUEL: This is Janet Manuel,	18 Our other activity was following
19 I make a motion to approve.	19 the special meeting in September, I prepared and
	19 the special meeting in September, I prepared and 20 posted the RFP for an actuary for the fund. We'll
20 CHAIR ANDERSON: Is there a second?	
20 CHAIR ANDERSON: Is there a second?	20 posted the RFP for an actuary for the fund. We'll
20 CHAIR ANDERSON: Is there a second? 21 MS. HILTON: I second. 22 CHAIR ANDERSON: All in favor?	20 posted the RFP for an actuary for the fund. We'll 21 be discussing proposals that we receive on that
20 CHAIR ANDERSON: Is there a second? 21 MS. HILTON: I second. 22 CHAIR ANDERSON: All in favor?	20 posted the RFP for an actuary for the fund. We'll 21 be discussing proposals that we receive on that 22 RFP, and I assume we can defer the review of those

CHAIR ANDERSON: Yes, we can review The S&P 500 up 15.91 and almost those proposals and discuss that when it's time. 30 percent over the one-year period. But as a Thank you, Mr. Solicitor. reference, you see the last month, and that was as of We will now have the report from September, it was down 4.65 percent. But just to give Fifth Third, Mr. McFarland. 5 you an idea of the volatility, in October the S&P 500 MR. McFARLAND: First, I want to give was up 7 percent, and the MSCI All Country World was just a minute for David Culpepper who is new to the up 5.1 percent. So not only have we recovered those relationship manager role on this account, so I just losses, but exceeded that and are, again, at near or want to let him introduce himself really quick and above all-time market highs globally. 10 then I will go into the investment review. 10 Go to page five, and this is just to MR. CULPEPPER: Thank you, Keith. 11 reference the fixed income markets. And you'll look 11 12 Again, my apologies for having Zoom challenges, but my 12 there at that top index, the Bloomberg U.S. 13 name is David Culpepper. As Keith mentioned, I am a 13 Intermediate Government Credit Index, and we'll use 14 relationship manager with Fifth Third Bank. I've had 14 that as a proxy for the quality U.S. Government by the 15 the pleasure of working with institutional clients 15 U.S. Bond Market. And you'll see the year-to-date 16 like yourself for over 20 years, and I'm looking 16 return is a negative .87 percent, over the last year a 17 forward to continuing that and furthering the 17 negative .4, and you see the three year 4.63 which is 18 relationship of the partnership that we may have with 18 probably more representative of a normal bond market. 19 the City of Pittsburgh on the benefit plans. But this is a reflection of the 20 Keith, go ahead, please. 20 unprecedented stimulus that has been added by the 21 MR. McFARLAND: Okay. Well, I will 21 Federal Reserve since the pandemic hit back in March 22 start by doing that review, the performance reports 22 of 2020, taking interest rates to -- short-term rates 23 for the two accounts. I will be using the report, I 23 to near zero, and we saw the ten-year Treasury at 91 24 believe Adam sent it out yesterday, and it says 24 basis points at the end of 2020, saw it trend up to 25 Pittsburgh OPEB Meeting Reports for November, so I 25 174 the first quarter, and back down to 130, and then 6 1 will be going through that report. I'm not going to up into the 150 to 160 range now. So we'll -- the

2 go through every page, I'll refer to which page number 3 I'm on as I start. So if you have that report and go 4 to page four, that's where I'm going to start, and 5 I'll start with a market overview.

Really for the last 18 months -- and 7 this report should be as of September 30, so I do have 8 some updates as of the end of October -- we have been 9 in a market volatility, even though we have hit market 10 highs, particularly in the last week or so, and we 11 have done that several times over the last year.

12 And it's been a period where we have 13 recovered from the pandemic, and we have seen 14 particularly the domestic economy continue to grow in 15 an environment that is very positive for risk or

16 stock-type assets, and so we have seen continued 17 growth in those markets. If you look on page four, just to give 19 you an indication. If you look at the year-to-date 20 numbers, I'll just point out a few indexes. The MSCI 21 All Country World Index, which is the top one, you see 22 year to date, and that's really a proxy for the 23 overall investable equity market, up year to date 24 11.12 percent and 27.44 percent for over the last 25 year.

headlines are always the equity markets, but as much

or more volatility in the fixed income markets. And then, again, a lot of that

volatility is attributed to the stimulus that the Fed has introduced and the market's concern with inflation, which we have seen inflation numbers over 5 percent the last couple of reports. The Fed looks 9 at that and most of the market looks at that as

10 transitory type inflation, though clearly not all of 11 it is, but we have had supply and demand issues across

12 the economy which has contributed to inflationary

13 prices, empty stores if you've gone to grocery stores, 14 and difficulty with auto makers even producing cars

15 because of chip shortages.

So I'm going to skip ahead to page ten 17 on that report, and just kind of review how we manage 18 the portfolio. And if you look there under Fixed 19 Income, which is about middle of the page, those are 20 the funds that we use to manage the bond or fixed 21 income part of the portfolio, and we do that through a

22 combination of mutual funds, high-quality Doubleline

23 and Dodge and Cox. And where you see 5/3 Intermediate

24 Gov/Credit, those are the individual bonds that we 25 manage in the portfolio to actually reduce overall

8

11

12

Transcript of Meeting

Conducted on November 10, 2021

1 volatility, and you'll see the impact of that when I difference of a month, and we've seen that kind of 2 look at the returns. And then complemented that with short-term volatility and will likely see that 3 some high-yield bonds particularly in this environment probably here in the next near future as we see the 4 of extremely low interest rates. economy continue to expand and normalization from the The next category you see is Equity. impacts of the pandemic. 6 You'll see primarily with passive management, but the But the overall theme is a positive 6 7 first fund, Harbor Capital, is a large cap growth fund environment for risk or stock-type assets because of 8 that is activity managed; growth has significantly extremely low interest rates and continued stimulus 9 out-performed other styles of managers over the last from the Government, and that includes the recent 10 four years, so we do that opportunistically. 10 passage of the infrastructure bill. And the rest you'll see IShares which So we expect a positive environment for 11 11 12 are passive manages both your factory style managers 12 the part of the portfolio that really you see the 13 across the spectrum, and we do that the same across 13 growth from, but continued challenges in the fixed 14 the mid, small, and international spaces. 14 income and bond market. And then we also have a portfolio, if 15 If we go to page -- and I'll just 16 you look on page 12 where we have some Real Assets 16 quickly jump ahead to the performance page for the 17 through REITs, Global Infrastructure, and Commodities. 17 Firefighters Accounts which we haven't managed quite 18 If we go to page 13, we'll go directly 18 as long. So if you go to -- similar assets as we 19 into the performance and then after this I'll quickly 19 manage, but if you go to page 20. 20 review the Fire account. But as you see on page 13, And, again, this is managed a little 21 and we'll start at the light gray line Fixed Income. 21 bit differently, and it just came -- we started 22 The index is below, you'll see year to date, we are --22 managing it actively probably within the last year. 23 the fixed income portfolio is down a negative 23 So it was the equity -- again, it hadn't been managed 24 .1 percent versus the index being down a negative 24 the whole year, we just got the instructions to manage 25 .9 percent. Over the last year, it's actually up 1.2 25 that more recently. But 3.6 percent for fixed income, 10 1 percent versus the negative return for the index. 1 26.6 for equity, real assets up 23.4 percent. So our diversification has allowed us And if we go to page 21, Net of Fees 3 to out-perform the index by essentially being 7.1 percent year to date, 18.2 percent over the 4 opportunistic around the core portfolio. And you'll 5 see a similar theme in the equity. 6 You see the Equity, which is the third 7 light gray line. Year to date of 12.1 percent versus

8 11.1 percent for the MSCI All Country World. You'll 9 see the one year, 28.2 versus 27.4. Net of fees -- you'll see also we have 10 11 REITs which the real assets of 16.7 percent year to 12 date, and alternatives which we really use as a hedge 13 to fixed income of 5.7 percent year to date, 15.2 over 14 the last year. 15 The overall portfolio, we'll go to page 16 13 so we can see the Net of Fee numbers. Year to 17 date, up 7.7 percent. Over the last year, up 18 17.7 percent.

You'll see net of all expenses since 20 inception, since we've had it, at 7.6 percent. Just 21 to give you an update, and you'll see that balance 22 there at just over -- under 34 million; as of 10/31 23 that balance was 37,431,264. And the year to date 24 return is 11.5 percent as of the end of October. 25 So that's just a function of a

one-year period. So small -- a much smaller asset base and hasn't been managed at the same way for the entire timeframe, but still very positive returns and the balance was that 139,438.40 as of the end of September. With that, I went through a lot of 10 material very quickly, are there any questions? CHAIR ANDERSON: Any questions for 11 12 Mr. McFarland? 13 MS. MANUEL: No. Thank you. 14 CHAIR ANDERSON: Okay, thank you 15 very much. And we will now have our report 17 from Korn Ferry. Ms. Mardis? Sorry if I didn't 18 pronounce your last name, I apologize. MS. MARDIS: It's okay, it's just 20 Mardis. I apologize, I am taking over this report 21 from a Ms. Evi Laksana who had completed the most 22 recent GASB 74/75 reports; do you have a copy of 23 those in front of you?

CHAIR ANDERSON: I do not. Adam,

25 did we get anything?

Transcript of Meeting

Conducted on November 10, 2021 13 15 MR. HOFFMANN: I didn't get In terms of compliance with the 2 anything for this meeting, but I'll check to make RFP, both of them complied and completed all of sure I have them and I can send them now. the necessary portions of the RFP, request for MS. MARDIS: Okay. And just to proposals. We have, as the Chair mentioned, two 5 refresh my memory, it looks like these reports proposals. were issued in March 2021; have you heard anything Korn Ferry presented itself as about them so far or will this be the first time? having extensive experience in the field. It did 8 MR. HOFFMANN: They may have 8 not indicate that it was going to partner with an 9 MBE or WBE association. The proposed fees were to 9 mentioned it at the April meeting, if I think 10 back, I think they may have, I don't know. Can 10 be \$46,500 for the actuarial report, valuation 11 anybody else confirm? 11 report that we receive every two years, and then MR. FRANK: I have the April note 12 with a roll-forward valuation report would be 12 13 for that. 13 \$3,700. 14 MS. MARDIS: I just want to make 14 And they expected these fees to 15 sure I'm giving you new information if there is 15 cover services except the City of Pittsburgh 16 any. There is not new activity since then. 16 Disabled Firefighters' fund they felt was likely 17 to need financial accounting on the GASB 74/75; 17 MR. FRANK: There was a report at 18 the April meeting. 18 that would be an additional fixed fee of \$13,000 MS. MARDIS: Okay. So my 19 in 2022, \$3200 in 2023, \$13,500 in 2024, and 20 understanding for this meeting is that there's 20 \$3,000 in 2025. Any additional services would be 21 actually nothing new to present. 21 rendered in the range of 250 to \$420 per hour. CHAIR ANDERSON: Okay, thank you They presented as the key person 22 23 very much. 23 Ms. Mardis, an actuary with experience in OPEB 24 We will now move on to the 24 consulting practice, and she is the OPEB 25 Presentation of Resolutions. We have one 25 Consulting Practice Leader for Korn Ferry with 11 14 16 1 Resolution for approval, Resolution authorizing years' of experience in working with public sector clients. 2 the payment for professional services rendered by 3 Frank, Gale, Bails, Murcko and Pocrass, P.C. in They presented no conflicts of 4 the amount of \$1,570.50 for the months of March interest based on assuming the role of Actuary for 5 2021 through October 2021. May I have a motion to the City of Pittsburgh. With regard to Buck Consultants, 6 approve? MS. MANUEL: This is Janet Manuel, again, they presented extensive experience in the actuarial field, going back to 1916 working in the 8 I make a motion to approve. CHAIR ANDERSON: May I have a 9 field. 100 plus clients in the OPEB client 10 second? 10 service field. MS. HILTON: This is Yvonne, They will partner with Athena 11 11 12 Actuarial Consulting, which is an WBE company 12 second. 13 CHAIR ANDERSON: All in favor? 13 headquartered in Seattle, Washington for the City 14 MS. MANUEL: Aye. 14 of Pittsburgh. Buck stated that they would commit 15 15 a minimum of 10 percent utilization of Athena MS. HILTON: Aye. 16 CHAIR ANDERSON: Opposed? 16 Actuarial Consulting's services primarily 17 Okay, we'll now move on to New 17 providing mid-level review of all actuarial 18 Business. We do have new business, we received 18 calculations and reports. 19 our responses for request for proposals for our They proposed a flat fee of \$40,000 20 with a full evaluation, and \$4,000 for the roll-20 actuarial services, and we received two proposals 21 from Buck Global and Korn Ferry. Mr. Solicitor, 21 forward evaluation; they said that those fees are 22 discounted for a public institution. 22 did you want to discuss that? MR. FRANK: Yes. Thank you, 23 They also are to be reimbursed

24 costs for any direct expenses incurred such as

25 travel and other vendor expenses to be

24 Mr. Chair. I provided to the Trustees a summary

25 of the two proposals.

	ovember 10, 2021
17	19
1 pre-approved by the Fund in addition.	1 way to move here, is to form a subcommittee. You
2 They presented as the lead person a	2 said two, Mr. Solicitor, two members?
3 Tom Tomczyk. He is the Pittsburgh and Ohio Market	3 MR. FRANK: Two maximum.
4 Leader, and who has experience in programs for HR	4 CHAIR ANDERSON: Okay. I can
5 administration in Health, Wealth, Career and	5 volunteer myself, and is there anyone else who
6 Engagement. They indicated that the clients, his	6 would like to join in discussion with it?
7 clients, include State Retirement System of Ohio,	7 MS. MANUEL: This is Janet Manuel.
8 School Employees Retirement System of Ohio, among	8 Director Anderson, I can join in on the
9 others.	9 conversation with you unless I think Controller
They presented that they had no	10 Lamb was going to say that he would.
11 conflicts of interest in providing the services.	11 CONTROLLER LAMB: I wasn't, but
12 And no disqualifying matters that might be arising	12 I'm sorry I joined in late. What are we creating
13 under the State Pension Act such as employee	13 a subcommittee to do?
14 political to City Pittsburgh officials. They	14 CHAIR ANDERSON: Controller, we're
15 indicated that there were no such	15 reviewing the proposals that were returned to us
16 disqualifications.	16 for the actuarial services, we received two.
So those are the summary of the two	17 CONTROLLER LAMB: Right.
18 of them. We also did reference checks on both of	18 CHAIR ANDERSON: One from Buck
19 them. And I sent you the reference checks on	19 Global, and the other one from Korn Ferry.
20 Monday that we received, and in both instances all	20 CONTROLLER LAMB: And that's
21 the reference checks were, I would say, positive	21 separate and apart from what we're doing with the
22 to very positive for both applicants. So that's	22 CDMTF?
23 where we are.	23 MR. FRANK: That's correct.
Now, in the past, Mr. Chair, we	24 CHAIR ANDERSON: Yes.
25 have put the proposals for consideration to a	25 CONTROLLER LAMB: Okay. No, I
18	20
1 subcommittee to Controller Lamb is now joining	1 don't need to be on that subcommittee.
2 us we have put the proposals to a subcommittee	2 CHAIR ANDERSON: So I guess myself
3 of the Board for further review for the	3 and I'm sorry, Mr. Solicitor?
4 recommendation to the full Board, and we would	4 MR. FRANK: Go ahead, I'm sorry.
5 have that option in this instance. Any questions?	5 CHAIR ANDERSON: I guess myself and
6 MS. HILTON: It's Yvonne, I do have	6 Director Manuel will have the meeting as a
7 a question. Is it standard for our contractors to	7 subcommittee to discuss this and bring a
8 be on the line during these discussions?	8 recommendation back to the Board.
9 MR. FRANK: Well, it's an open	9 Adam, would you be able to schedule
10 meeting.	10 that meeting maybe sometime for next week?
11 MS. HILTON: Okay. Okay.	11 MR. HOFFMAN: Yeah, I can do that,
MR. FRANK: Yeah. And I looked at	12 yep.
13 that, and I didn't see that there was any	13 CHAIR ANDERSON: Thank you.
14 exception that this would be an appropriate	14 MR. HOFFMAN: Yep.
15 Executive Session.	15 CHAIR ANDERSON: We don't need to
16 MS. HILTON: Okay. I was thinking	16 vote, have a vote there, Mr. Solicitor, or
17 more of internal deliberations regarding amount.	17 anything?
18 I'll defer to you on that.	MR. FRANK: I think it's the sense
19 MR. FRANK: Okay. I looked at it,	19 of the Board.
20 I didn't think so. We do have the option of	20 CHAIR ANDERSON: Okay. All right,
21 deferring it to a subcommittee where we would only	21 so that's it for new business. Any continued
22 have two board members present and would not have	22 business?
23 necessarily a public meeting during those	23 Hearing and seeing none, I'd like
24 deliberations, that's an option.	24 to have a motion to adjourn.
25 CHAIR ANDERSON: I think that's the	25 MS. MANUEL: Janet Manuel, I make a
	F DEDOC

```
motion to adjourn.
            CHAIR ANDERSON: Do I have a
  second?
            CONTROLLER LAMB: Second.
           CHAIR ANDERSON: All in favor?
           MS. MANUEL: Aye.
           MS. HILTON: Aye.
            CONTROLLER LAMB: Aye.
           CHAIR ANDERSON: Thank you all very
10 much. Everyone have a good day.
           MR. FRANK: Thank you.
11
12
           (Whereupon, the hearing adjourned at
13 2:30 p.m.)
14
15
16
17
18
19
20
21
22
23
24
25
                                                         22
            CERTIFICATE
  STATE OF DELAWARE )
5
  KENT COUNTY
                       )
        I, Pamela C. Herrmann, Registered
  Professional Reporter and Notary Public, do hereby
  certify the foregoing pages were taken before me at
10 the time and place indicated herein; that the
11 testimony was stenographically reported by me and
12 thereafter reduced to typewriting under my personal
13 supervision; that I am neither of counsel nor kin to
14 parties in said action nor interested in the outcome
15 thereof.
        WITNESS my hand this 8th day of
16
17 January, 2022.
18
19
             Pamela C. Herrmann
             Registered Professional Reporter
20
             and Notary Public
23
24
25
```

_		2.11 2.20	ambitmation
A	adjourned	2:11, 2:20,	arbitration
ability	21:12	2:22, 2:25, 4:1, 5:1, 12:11,	3:12, 3:14
4:16	administration	12:14, 12:24,	arising
able	17:5		17:12
20:9	adviser	13:22, 14:9,	around
about	4:13	14:13, 14:16,	10:4
8:19, 13:7	affecting	18:25, 19:4, 19:8, 19:14,	asset
above	4:16	19:18, 19:14,	12:4
1:9, 7:9	after	20:2, 20:5,	assets
account	9:19	20:2, 20:3, 20:15,	6:16, 9:16,
3:6, 5:8, 9:20	again	20:20, 21:2,	10:11, 11:7,
accounting	3:13, 3:15,	21:5, 21:9	11:18, 12:1
15:17	5:12, 7:8, 8:4,		association
accounts	11:20, 11:23,	any 3:20, 4:8,	15:9
5:23, 11:17	16:7		assume
across	agenda	4:15, 4:25, 12:10, 12:11,	4:22
8:11, 9:13	4:23	13:16, 15:20,	assuming
act	ahead	16:24, 18:5,	16:4
4:7, 17:13	5:20, 8:16,	18:13, 20:21	athena
action	11:16, 20:4	anybody	16:11, 16:15
22:14	all	13:11	attributed
actively	2:22, 3:9,		8:5
11:22	3:24, 6:21, 7:6,	anyone	audra
activity	8:10, 10:8,	2:12, 19:5	1:26
4:5, 4:18, 9:8,	10:19, 14:13,	anything	authorizing
13:16	15:2, 16:17,	12:25, 13:2,	14:1
actually	17:20, 20:20,	13:6, 20:17	auto
8:25, 9:25,	21:5, 21:9	apart	8:14
13:21	all-time	19:21	aye
actuarial	7:9	apologies	2:23, 2:24,
14:20, 15:10,	allowed	5:12	14:14, 14:15,
16:8, 16:12,	10:2	apologize	21:6, 21:7, 21:8
16:16, 16:17,	almost	12:18, 12:20	B
19:16	7:1	appearances	back
actuary	also	1:14	7:21, 7:25,
4:20, 15:23,	1:21, 9:15,	applicants	13:10, 16:8,
16:4	10:10, 16:23,	17:22	20:8
adam	17:18	appropriate	bails
1:23, 5:24,	alternatives	18:14	14:3
12:24, 20:9	10:12	approval	balance
added	always	2:15, 14:1	3:4, 3:5,
7:20	8:2	approve	10:21, 10:23,
addition	among	2:17, 2:19,	12:7
17:1	17:8	14:6, 14:8	bank
additional	amount	april	5:14
15:18, 15:20	3:11, 14:4,	2:16, 4:5,	base
adjourn	18:17	13:9, 13:12,	12:5
20:24, 21:1	anderson	13:18	
, ,	1:16, 2:1, 2:9,		
	1		

	Conducted on Nov	emeer 10, 2021	0
based	15:2, 17:18,	19:24, 20:2,	compliance
16:4	17:20, 17:22	20:5, 20:13,	15:1
basis	bring	20:15, 20:20,	complied
7:24	20:7	21:2, 21:5, 21:9	15:2
because	buck	chairman	concern
8:15, 11:7	14:21, 16:6,	3:24	8:6
been	16:14, 19:18	challenges	concludes
3:18, 6:8,	budget	5:12, 11:13	4:24
6:12, 7:20,	1:27	check	conference
11:23, 12:5	business	13:2	1:10
before	14:18, 20:21,	checks	confirm
1:10, 22:9	20:22	17:18, 17:19,	13:11
beginning	С	17:21	conflicts
1:12	calculations	chip	16:3, 17:11
behalf	16:18	8:15	consideration
1:15	call	city	17:25
being		1:15, 1:27,	consultants
9:24, 10:3	2:1, 2:4	4:9, 4:10, 5:19,	16:6
believe	came	15:15, 16:5,	consulting
5:24	1:9, 11:21	16:13, 17:14	15:24, 15:25,
below	cap	city's	16:12
9:22	9:7 capital	3:15	consulting's
benefit	9:7	clearly	16:16
5:19	g:/ career	8:10	continue
benefits		client	4:17, 6:14,
1:1, 2:4	17:5	16:9	11:4
biennial	cars 8:14	clients	continued
2:16		5:15, 16:2,	3:13, 3:15,
bill	category	16:9, 17:6, 17:7	6:16, 11:8,
11:10	9:5	combination	11:13, 20:21
bills	cdmtf	8:22	continuing
3:2	19:22	comes	5 : 17
bit	certify 22:9	4:23	contractors
11:21		comment	18 : 7
bloomberg	cetera	2:12, 2:13	contributed
7:12	4:11 chair	commit	8:12
board	1:16, 2:1, 2:9,	16:14	contribution
1:5, 1:15, 2:2,	2:11, 2:20,	commodities	3:17
18:3, 18:4,	2:21, 2:20, 2:22, 2:25, 3:3,	9:17	contributions
18:22, 20:8,	4:1, 4:24, 5:1,	communications	4:9
20:19	12:11, 12:14,	3:3	controller
bond	12:24, 13:22,	company	1:17, 2:6,
7:15, 7:18,	14:9, 14:13,	16:12	18:1, 19:9,
8:20, 11:14	14:16, 14:24,	complemented	19:11, 19:14,
bonds	15:4, 17:24,	9:2	19:17, 19:20,
8:24, 9:3	18:25, 19:4,	complete	19:25, 21:4,
both	19:14, 19:18,	4:8	21:8
4:14, 9:12,		completed	conversation
, ,		12:21, 15:2	19:9

сору	deliberations	done	even
12:22	18:17, 18:24	6:11	6:9, 8:14
core	demand	doubleline	every
10:4	8:11	8:22	4:6, 6:2, 15:11
cornell	department	douglas	everybody
1:28	1:23	1:16	3:24
correct	difference	down	everyone
19:23	11:1	7:4, 7:25,	21:10
costs	differently	9:23, 9:24	evi
16:24	11:21	during	12:21
council	difficulty	18:8, 18:23	exceeded
1:27, 2:5	8:14	E	7:8
counsel	direct	economy	except
22:13	16:24	6:14, 8:12,	15:15
country	directly	11:4	exception
6:21, 7:6, 10:8	9:18	elected	18:14
county	director	4:10	executive
22:5	1:27, 2:7,	else	18:15
couple	19:8, 20:6	13:11, 19:5	expand
8:8	disabled	employee	11:4
cover	3:5, 3:18,	17:13	expect
15:15	15:16	employees	11:11
cox	disclosure	17:8	expected
8:23	4:8	employment	15:14
creating	disclosures	1:1, 2:3	expenses
19:12	4:14, 4:16	empty	10:19, 16:24,
credit	discounted	8:13	16:25
7:13, 8:24	16:22	end	experience
culpepper	discuss	6:8, 7:24,	15:7, 15:23,
1:25, 5:7,	5:2, 14:22,	10:24, 12:7	16:1, 16:7, 17:4
5:11 , 5:13	20:7	engagement	extensive
D	discussing	17:6	15:7, 16:7
date	4:21	entire	extremely
6:22, 6:23,	discussion	12:6	9:4, 11:8
9:22, 10:7,	19:6	environment	F
10:12, 10:13,	discussions	6:15, 9:3,	factory
10:17, 10:23,	18:8	11:7, 11:11	9:12
12:3	disqualifications	equity	far
david	17:16	6:23, 8:2, 9:5,	13:7
1:25, 5:7, 5:13	disqualifying	10:5, 10:6,	favor
day	17:12	11:23, 12:1	2:22, 14:13,
21:10, 22:16	diversification	essentially	21:5
defer	10:2	10:3	fed
4:22, 18:18	dodge	et	8:5, 8:8
deferring	8:23	4:11	federal
18:21	doing	evaluation	7:21
delaware	5:22, 19:21	16:20, 16:21	fee
22:3	domestic		10:16, 15:18,
	6:14		
	1	<u> </u>	<u> </u>

16:19	foregoing	give	headlines
fees	22:9	1 –	8:2
		2:12, 5:6,	
10:10, 12:2,	form	6:18, 7:4, 10:21	headquartered
15:9, 15:14, 16:21	4:8, 19:1	giving	16:13
felt	forward	13:15	health
	5:17, 16:21	global	17:5
15:16	four	9:17, 14:21,	hear
ferry	6:4, 6:18, 9:10	19:19	3:24, 3:25
1:26, 12:17,	frank	globally	heard
14:21, 15:6,	1:22, 3:22,	7:9	13:6
15:25, 19:19	3:23, 4:4,	go	hearing
few	13:12, 13:17,	3:22, 5:10,	1:9, 2:14, 3:1,
6:20	14:3, 14:23,	5:20, 6:2, 6:3,	3:21, 20:23,
field	18:9, 18:12,	7:10, 9:18,	21:12
15:7, 16:8,	18:19, 19:3,	10:15, 11:15,	hedge
16:9, 16:10	19:23, 20:4,	11:18, 11:19,	10:12
fifth	20:18, 21:11	12:2, 20:4	here
1:24, 1:25,	frederick	going	11:3, 19:1
4:13, 5:5, 5:14	1:22	6:1, 6:4, 8:16,	hereby
fighters	front	15:8, 16:8,	22:8
3:6, 3:18	12:23	19:10	herein
filed	full	gone	22:10
4:15	16:20, 18:4	8:13	herrmann
finance	function	good	1:10, 22:7,
1:23	10:25	21:10	22:20
financial	fund	gov	high-quality
15:17	1:1, 2:4, 3:3,	8:24	8:22
fire	3:5, 3:9, 3:13,	government	high-yield
3:5, 3:14,	3:14, 3:15,	7:13, 7:14,	9:3
3:18, 9:20	3:18, 4:7, 4:20,	11:9	highs
firefighters	9:7, 15:16, 17:1	gray	6:10, 7:9
11:17, 15:16	funds	9:21, 10:7	hilton
firm	8:20, 8:22	great	1:19, 2:9,
4:14	further	4:4	2:10, 2:21,
first	18:3	grocery	2:24, 4:2,
5:6, 7:25, 9:7,	furthering	8:13	14:11, 14:15,
13:7	5:17	grow	18:6, 18:11,
five	future	6:14	18:16, 21:7
7:10	11:3	growth	himself
fixed	G	6:17, 9:7, 9:8,	5:9
7:11, 8:3,	gale	11:13	hit
8:18, 8:20,	14:3	guess	6:9, 7:21
9:21, 9:23,	gasb	20:2, 20:5	hoffman
10:13, 11:13,	12:22, 15:17	Н	20:11, 20:14
11:25, 15:18	general	hand	hoffmann
flat	3:15	22:16	1:23, 13:1,
16:19	gifts	harbor	13:8
following	4:9, 4:10	9:7	hour
4:18			15:21

hr	instances	joined	lead
17:4	17:20	19:12	17:2
I	institution	joining	leader
idea	16:22	18:1	15:25, 17:4
7:5	institutional	jump	light
impact	5:15	11:16	9:21, 10:7
9:1	instructions	K	likely
impacts	11:24	keith	11:2, 15:16
11:5	interest	1:24, 5:11,	line
inception	7:22, 9:4,	5:13, 5:20	9:21, 10:7,
10:20	11:8, 16:4,	kent	18:8
include	17:11	22:5	little
17:7	interested	key	11:20
includes	22:14	15:22	long
11:9	intermediate	kin	11:18
income	7:13, 8:23	22:13	look
7:11, 8:3,	internal	kind	6:18, 6:19,
8:19, 8:21,	18 : 17	8:17, 11:1	7:11, 8:18, 9:2,
9:21, 9:23,	international	know	9:16
10:13, 11:14,	9:14	13:10	looked
11:25	introduce	korn	18:12, 18:19
incurred	5 : 9	1:26, 12:17,	looking
16:24	introduced	14:21, 15:6,	5:16
index	8:6	15:25, 19:19	looks
6:21, 7:12,	investable		8:8, 8:9, 13:5
7:13, 9:22,	6:23	L	losses
9:24, 10:1, 10:3	investment	laksana	7:8
indexes	4:13, 5:10	12:21	lot
6:20	ishares	lamb	8:4, 12:9
indicate	9:11	1:17, 2:6,	low
15:8	issued	18:1, 19:10,	9:4, 11:8
indicated	13:6	19:11, 19:17,	м
17:6, 17:15,	issues	19:20, 19:25,	made
22:10	4:15, 8:11	21:4, 21:8	3:19
indication	item	large	make
6:19	4:23	9:7	2:19, 13:2,
individual	itself	last	13:14, 14:8,
8:24	15 : 6	2:16, 6:6,	20:25
inflation		6:10, 6:11,	makers
8:7, 8:10	janet	6:24, 7:3, 7:16,	8:14
inflationary	1:18, 2:18,	8:8, 9:9, 9:25,	manage
8:12	14:7, 19:7,	10:14, 10:17, 11:22, 12:18	8:17, 8:20,
information	20:25	late	8:25, 11:19,
13:15	january	19:12	11:24
infrastructure	22:17	19:12 law	managed
9:17, 11:10	join	4:14	9:8, 11:17,
instance	19:6, 19:8	4.14	11:20, 11:23,
18:5			,,

12:5	5:21, 12:12	20:24, 21:1	3:21, 20:23
management	meeting	move	normal
9:6	1:5, 2:2, 2:16,	2:14, 3:21,	7:18
manager	4:5, 4:19, 5:25,	13:24, 14:17,	normalization
5:8, 5:14	13:2, 13:9,	19:1	11:4
managers	13:18, 13:20,	msci	notary
9:9, 9:12	18:10, 18:23,	6:20, 7:6, 10:8	1:11, 22:8,
manages	20:6, 20:10	much	22:22
9:12	members	8:2, 12:4,	note
managing	18:22, 19:2	12:15, 13:23,	13:12
11:22	memory	21:10	nothing
manuel	13:5	murcko	13:21
1:18, 2:7, 2:8,	mentioned	14:3	november
2:18, 2:23, 4:3,	5:13, 13:9,	mutual	1:6, 1:12, 2:3,
12:13, 14:7,	15:4	8:22	5:25
14:14, 19:7,	michael	myself	number
20:6, 20:25,	1:17	19:5, 20:2,	6:2
21:6	mid	20:5	numbers
march	9:14	N	6:20, 8:7,
7:21, 13:6,	mid-level	name	10:16
14:4 mardis	16:17 middle	5:13, 12:18	<u> </u>
1:26, 12:17,	8:19	near	october
12:19, 12:17,	might	7:8, 7:23, 11:3	3:10, 3:11,
13:4, 13:14,	17:12	necessarily	6:8, 7:5, 10:24,
13:19, 15:23	million	18:23	14:5
market	3:4, 3:11,	necessary	officials
6:5, 6:9, 6:23,	10:22	15:3	4:9, 4:10,
7:9, 7:15, 7:18,	minimum	need	4:11, 17:14 ohio
8:9, 11:14, 17:3	16:15	15:17, 20:1, 20:15	17:3, 17:7,
market's	minute	negative	17:8
8:6	5 : 7	7:16, 7:17,	okay
markets	minutes	9:23, 9:24, 10:1	4:4, 5:21,
6:17, 7:11,	2:16	neither	12:14, 12:19,
8:2, 8:3	monday	22:13	13:4, 13:19,
material	17:20	net	13:22, 14:17,
12:10	month	10:10, 10:16,	18:11, 18:16,
matter	7:3, 11:1	10:19, 12:2	18:19, 19:4,
1:9	months	new	19:25, 20:20
matters	6:6, 14:4	5:7, 13:15,	one
17:12	more	13:16, 13:21,	6:21, 10:9,
maximum	7:18, 8:3,	14:17, 14:18,	13:25, 19:18,
19:3	11:25, 18:17	20:21	19:19
maybe	most	next	one-year
20:10	8:9, 12:21	9:5, 11:3,	7:2, 12:4
mbe 15:9	motion	20:10	only
mcfarland	2:17, 2:19,	none	7:7, 18:21
	3:1, 14:5, 14:8,	2:14, 3:1,	
1:24, 5:5, 5:6,	ļ ,		

Conducted on November 10, 2021

opeb	7:10, 8:16,	10:13, 10:17,	11:11, 12:6,
3:6, 3:9, 3:18,	8:19, 9:16,	10:18, 10:20,	17:21 , 17:22
5:25, 15:23,	9:18, 9:20,	10:24, 11:25,	post
15:24, 16:9	10:15, 11:15,	12:1, 12:3,	1:1, 2:3
open	11:16, 11:19,	16:15	posted
18:9	12:2	performance	4:20
opportunistic	pages	5:22, 9:19,	practice
10:4	22:9	11:16	15:24, 15:25
opportunistically	pamela	period	pre-approved
9:10	1:10, 22:7,	6:12, 7:2, 12:4	17:1
opposed	22:20	person	prepared
2:25, 14:16	pandemic	15:22, 17:2	4:19
option	6:13, 7:21,	personal	present
18:5, 18:20,	11:5	22:12	1:21, 2:8,
18:24	part	pittsburgh	2:10, 13:21,
order	8:21, 11:12	1:2, 1:15,	18:22
2:2	particularly	5:19, 5:25,	presentation
other	6:10, 6:14, 9:3	15:15, 16:5,	13:25
1:1, 2:3, 4:18,	parties	16:14, 17:3,	presented
9:9, 16:25,	22:14	17:14	15:6, 15:22,
9:9, 16:25, 19:19	partner	place	·
	15:8, 16:11	22:10	16:3, 16:7,
others	partnership	plans	17:2, 17:10
17:9	5:18	5:19	president
otherwise		please	2:5
4:24	passage	5:20	prices
out	11:10		8:13
5:24, 6:20	passes	pleasure	primarily
out-perform	3:1	5:15	9:6, 16:16
10:3	passive	plus	probably
out-performed	9:6, 9:12	16:9	7:18, 11:3,
9:9	past	pocrass	11:22
outcome	17:24	14:3	producing
22:14	patrick	point	8:14
over	1:28	6:20	professional
3:7, 5:16,	payment	points	1:11, 4:6,
	14:2	7:24	4:12, 14:2,
7:16, 8:7, 9:9,	payments	police	22:8, 22:21
9:25, 10:13,	3:10	3:12	programs
10:17, 10:22,	pennsylvania	political	17:4
12:3, 12:20	1:2	4:9, 17:14	pronounce
overall	pension	portfolio	12:18
6:23, 8:25,	4:7, 17:13	8:18, 8:21,	proposals
10:15, 11:6	percent	8:25, 9:15,	4:21, 4:23,
overview	6:24, 7:2, 7:4,	9:23, 10:4,	5:2, 14:19,
6:5	7:6, 7:7, 7:16,	10:15, 11:12	14:20, 14:25,
P	8:8, 9:24, 9:25,	portions	15:4, 15:5,
page	10:1, 10:7,	15:3	17:25, 18:2,
6:2, 6:4, 6:18,	10:8, 10:11,	positive	19:15
, , , , , , , , , , , , , , , , , , ,		6:15, 11:6,	

		CHIOCI 10, 2021	
proposed	12:1	4:25, 5:4, 5:23,	rfp
15:9 , 16:19	really	6:1, 6:3, 6:7,	4:20, 4:22,
provide	5:9, 6:6, 6:22,	8:17, 12:16,	15:2, 15:3
4:17	10:12, 11:12	12:20, 13:17,	right
provided	receive	15:10, 15:11,	19:17, 20:20
14:24	4:21, 15:11	15:12	risk
providers	received	reported	6:15, 11:7
4:6, 4:13, 4:17	14:18, 14:20,	22:11	role
providing	17:20, 19:16	reporter	5:8, 16:4
16:17, 17:11	recent	1:11, 22:8,	roll
proxy	11:9, 12:22	22:21	2:4, 16:20
6:22 , 7:14	recently	reports	roll-forward
public	11:25	5:22, 5:25,	15 : 12
1:11, 2:12,	recommendation	8:8, 12:22,	S
16:1, 16:22,	18:4, 20:8	13:5, 16:18	s&p
18:23, 22:8,	recovered	representative	7:1, 7:5
22:22	6:13 , 7:7	7:18	said
put	reduce	request	16:21, 19:2,
17:25 , 18:2	8:25	14:19, 15:3	22:14
Q	reduced	required	same
quality	22:12	4:8	9:13, 12:5
7:14	refer	reserve	saw
quarter	6:2	7:21	7:23, 7:24
7:25	reference	resolution	say
quarterly	7:3, 7:11,	14:1	17:21, 19:10
3:8	17:18, 17:19,	resolutions	says
question	17:21	13:25	5:24
18:7	reflection	responses	schedule
questions	7:19	14:19	20:9
3:20, 4:25,	refresh	rest	school
12:10, 12:11,	13:5	9:11	17:8
18:5	regard	resume	seattle
quick	16:6	3:9	16:13
5:9	regarding	retirement	second
quickly	18:17	17:7, 17:8	2:20, 2:21,
9:19, 11:16,	registered	return	14:10, 14:12,
12:10	1:11, 22:7,	7:16, 10:1,	21:3, 21:4
quite	22:21	10:24	sector
11:17	reimbursed	returned	16:1
R	16:23	19:15	see
range	reits	returns	6:21, 7:3,
8:1, 15:21	9:17, 10:11	9:2, 12:6	7:15, 7:17,
rates	relationship	review	8:23, 9:1, 9:5,
7:22, 9:4, 11:8	5:8, 5:14, 5:18	4:22, 5:1,	9:6, 9:11, 9:20,
real	rendered	5:10, 5:22,	9:22, 10:5,
9:16, 10:11,	14:2, 15:21	8:17, 9:20,	10:6, 10:9,
J. 10, 10.11,	report	16:17, 18:3	10:10, 10:16,
	3:3, 3:22, 4:5,	reviewing	
		19:15	

10:19, 10:21,	13:16	stock-type	think
11:2, 11:3,	skip	6:16 , 11:7	13:9, 13:10,
11:12, 18:13	8:16	stores	18:20, 18:25,
seeing	small	8:13	19:9, 20:18
20:23	9:14, 12:4	style	thinking
seen	smaller	9:12	18:16
6:13, 6:16,	12:4	styles	third
8:7, 11:1	smith	9:9	1:24, 1:25,
semi-annual	2:5	subcommittee	4:13, 5:5, 5:14,
1:5, 2:2	solicitor	18:1, 18:2,	10:6
send	1:22, 2:9, 5:3,	18:21, 19:1,	three
13:3	14:21, 19:2,	19:13, 20:1,	7:17
sense	20:3, 20:16	20:7	through
20:18	solicitor's	summary	6:1, 6:2, 8:21,
sent	3:22	14:24, 17:17	9:17, 12:9, 14:5
5:24, 17:19	some	supervision	time
separate	6:8, 9:3, 9:16	22:13	5:2, 13:7,
19:21	sometime	supply	22:10
september	20:10	8:11	timeframe
3:4, 3:6, 4:19,	sorry	sure	12:6
6:7, 7:4, 12:8	12:17, 19:12,	13:3, 13:15	timely
service	20:3, 20:4	system	4:14
4:6, 4:12,	spaces	17:7 , 17:8	times
4:16, 16:10	9:14	T	6:11
services	special	taken	tom
14:2, 14:20,	4:19	1:10, 22:9	17:3
15:15, 15:20,	spectrum	taking	tomczyk
16:16, 17:11,	9:13	7:22, 12:20	17:3
19:16	staff	ten	top
session	1:23	8:16	6:21, 7:12
18:15	standard	ten-year	transferred
several	18:7	7:23	3:10
6:11	start	terms	transfers
short-term	5:22, 6:3, 6:4,	15:1	3:8, 3:12, 3:14
7:22, 11:2	6:5, 9:21	testimony	transitory
shortages	started	22:11	8:10
8:15	11:21	thank	travel
should	state	3:23, 5:3,	16:25
6:7	4:7, 17:7,	5:11, 12:13,	treasury
signature-p1kal	17:13, 22:3	12:14, 13:22,	7:23
22:17	stated	14:23, 20:13,	trend
significantly	16:14	21:9, 21:11	7:24
9:8	stenographically	theme	trust
similar	22:11	10:5, 11:6	1:1, 2:4, 3:9,
10:5, 11:18	still	thereafter	3:18
since	12:6	22:12	trustees
4:5, 7:21,	stimulus	thereof	14:24
10:19, 10:20,	7:20, 8:5, 11:8	22:15	two
			4:12, 5:23,

		veiliber 10, 2021	10
14:20, 14:25,	8:5, 9:1, 11:2	16:8	\$13,500
15:4, 15:11,	volunteer	world	15:19
17:17, 18:22,	19:5	6:21, 7:6, 10:8	\$2.5
19:2, 19:3,	vote	Y	3:11
19:16	20:16	yeah	\$3,000
type	W	18:12, 20:11	15:20
8:10	want	year	\$3,700
typewriting	5:6, 5:9,	3:9, 3:13,	15:13
22:12	•		\$3200
U	13:14, 14:22	3:16, 3:19,	15:19
under	washington 16:13	6:11, 6:22, 6:23, 6:25,	\$4,000
4:7, 8:18,		7:16, 7:17,	16:20
•	way		\$40,000
10:22, 17:13, 22:12	12:5, 19:1	9:22, 9:25,	16:19
	wbe	10:7, 10:9,	\$420
understanding	15:9, 16:12	10:11, 10:13,	15:21
13:20	we'll	10:14, 10:16,	\$46,500
unless	2:14, 3:2,	10:17, 10:23,	15:10
19:9	3:21, 4:20,	11:22, 11:24, 12:3	13.10
unprecedented	7:13, 8:1, 9:18,		·
7:20	9:21, 10:15,	year-to-date	.1
until	14:17	6:19, 7:15	9:24
4:23	we're	yearly	. 4
update	19:14, 19:21	3:17	7:17
10:21	we've	years	.87
updates	10:20, 11:1	5:16, 9:10,	7:16
6:8	wealth	15:11, 16:1	.9
urbanic	17:5	уер	9:25
1:27	week	20:12, 20:14	0
use	6:10, 20:10	yesterday	00
7:13, 8:20,	went	5:24	1:12
10:12	12:9	yourself	1
using	whereupon	5:16	
5:23	21:12	yvonne	1.2
utilization	whole	1:19, 14:11,	9:25
16:15	11:24	18:6	10
v	william	Z	1:6, 1:12, 2:3,
valuation	1:27	zero	10:22, 16:15
15:10, 15:12	wish	7:23	100
vendor	4:24	zoom	16:9
16:25	wishing	1:10, 5:12	11
versus	2:12	\$	15:25
9:24, 10:1,	within		11.1
10:7, 10:1,	11:22	\$1,570.50	10:8
via	witness	14:4	11.12
1:9	22:16	\$13,000	6:24
volatility	working	15:18	11.5
	5:15, 16:1,		10:24
6:9, 7:5, 8:3,			

Conducted on November 10, 2021			
12	2022	500	
9:16	15:19, 22:17	7:1, 7:5	
12.1	2023	7	
10:7	15:19	7.1	
13	2024	12:3	
9:18, 9:20,	15:19	7.6	
10:16	2025	10:20	
130	15:20	7.7	
7:25	21	10:17	
139,000	12:2	74	
3:7	23.4	12:22, 15:17	
139,438.40	12:1	75	
12:7	250		
15.2	15:21	12:22, 15:17	
10:13	26.6	8	
15.91	12:1	8th	
7:1	27.4	22:16	
150	10:9	9	
8:1	27.44	91	
15219	6 : 24	7:23	
1:2	28.2		
16.7	10:9		
10:11	3		
160	3.6		
8:1	11:25		
17.7	30		
10:18	3:4, 3:6, 6:7,		
174	7:2, 21:13		
7:25	31		
18	10:22		
6:6	33.7		
18.2	3:4		
12:3	34		
1916	10:22		
16:8	37,431,264		
2	10:23		
2	4		
1:12, 21:13			
20	4.63		
5:16, 11:19	7:17		
2020	4.65		
7:22, 7:24	7:4		
2021	5		
1:6, 1:12, 2:3,	5.1		
2:17, 3:4, 3:6,	7:7		
3:10, 3:11,	5.7		
13:6, 14:5	10:13		
	l .		