ATIC Board Meeting

Agenda for November 8, 2017

1. Administrative
   1.1. Self-Introductions
   1.2. Modifications to and Acceptance of Agenda Draft
   1.3. Acceptance of Minutes from October 11, 2017 meeting
   1.4. Treasurer's Report
   1.5. ATIC Board Membership Considerations
      1.5.1. Nominations and Election of Board Members
      1.5.2. Nominations and Election of Officers
   1.6. Review of Outstanding Action Items as Documented in October Minutes

2. Informational Presentations
   2.1. None Scheduled

3. Activity Reports
   3.1. Rural Community Outreach (Henry Goldberg, Bill Bolin, Karen Ziegler)
   3.2. K12/GAZEL (Steve Peters, Cathy Poplin)
   3.3. Library (Holly Henley, Mala Muralidharan)
   3.4. Telehealth (Janet Major)
   3.5. Government Affairs (Mike Keeling)
   3.6. ATI Institute (Oris Friesen)

4. Information and Action Plans
   4.1. Discussion of ATIC Partnership & Business Model Working Groups (Oris Friesen, Henry Goldberg, Mark Goldstein)
   4.2. Discussion of ATIC Public Meetings Continuity
   4.3. New Business and Motion Considerations (All)

5. Events Attended and Upcoming Meetings

6. Announcements

7. Adjourn

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ATIC Board Meeting

November 8, 2017

Remote Connect Instructions

- **PC or MAC:** For audio, video and web conference on **PC or Mac**
  https://gazel.zoom.us/j/753706980

- **IOS:** For audio, video and web conference on **iPhone, iPad, iPod touch**: **Install App**: Apple Store -"zoom".
  Enter meeting ID 753 706 980.

- **Android:** Audio, video and web conference on **Android**: **Install App:** Google Play - "zoom"
  Enter meeting ID 753 706 980.

- **Video and web conference on computer and audio by telephone:** https://gazel.zoom.us/j/753706980**.**

- **For Audio by Phone During Zoom Session or Standalone Telephone Connection:** Dial **(415) 762-9988.** Enter meeting **ID 753 706 980**. You will be prompted to enter your unique participant ID - Press # to skip

ATIC Board Meeting Minutes for September 13, 2017 (Draft)

On-Site Attendees:

ATIC Board Members: Jerry Crow, Oris Friesen, Henry Goldberg, Mark Goldstein, Holly Henley, Ron Schott, Mike Whipple

ATIC Associates & Guests: Mala Muralidharan

Remote Attendees:

ATIC Board Members: Bill Bolin, Michael Cohen, Mike Keeling, Steve Peters, Andy Phelan, Jay Schlum

ATIC Associates & Guests: Michael Britt, Marisa Walker

Quorum Met with 13 ATIC Board Members Present (Quorum = 9)

Many thanks to Zoom Video for video conferencing capabilities and to the Arizona State Libraries for providing meeting facilities, technical support, and hospitality.

No ATIC Board Meeting in December. Have a great holidays!!!

The next ATIC Board Meeting will be on Wednesday, January 10th, 2018 from 12:00-2:00 PM on the 2nd floor in the Historic Supreme Court Chamber of the Arizona State Library, 1700 W. Washington St., Phoenix AZ 85007.

ATIC Board Meeting

Agenda for October 11, 2017

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   1.6. Review of Outstanding Action Items as Documented in September Minutes

2. Informational Presentations
   2.1. Mark Goldstein, International Research Center -
        Arizona Technology Council's State Broadband Policy Positions for 2018

3. Activity Reports
   3.1. Rural Community Outreach (Henry Goldberg/Bill Bolin/Galen Updike)
   3.2. K12/GAZEL (Steve Peters, Cathy Poplin)
   3.3. Library (Holly/Mala)
   3.4. Telehealth (Janet Major)
   3.5. Government Affairs (Mike Keeling)
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4. Information and Action Plans
   4.1. Discussion of ATIC Partnership & Business Model Working Groups (Oris Friesen, Henry
        Goldberg & Mark Goldstein)
   4.2. New Business and Motion Considerations (All)

5. Events Attended and Upcoming Meetings

6. Announcements

7. Adjourn

ATIC Board Meeting

Minutes for October 11, 2017

1. Administrative

1.1. Self-Introductions

See the list of attendees above.

1.2. Modifications to and Acceptance of Agenda

MOTION: To accept the Agenda as submitted.

> **MOVE: Ron Schott**
> **SECOND: Oris Friesen**
> **Passed Unanimously**

1.3. Acceptance of Minutes from Last Meeting

MOTION: To accept the Minutes of the October 11, 2017 Board Meeting while noting that in Section 4.1 they reflected the Working Group activities from their later October 2, 2017 meeting rather than the August 5, 2017 one.

> **MOVE: Mark Goldstein**
> **SECOND: Jerry Crow**
> **Passed Unanimously**

1.4. Treasurer's Report

Ron Schott, Treasurer reported that current funds on hand as of 10/10/17 total approximately $26,382. Some funds have been moved among accounts for operational purposes. Ron circulated Desert Schools Bank reports with account and transaction details for Board reference which are included at the back of these Minutes. Ron confirmed that our officers filed with the ACC are current.

Our nominal run rate for necessary expenses has dropped from approximately $5-6K per year to perhaps $4K per year. Mala and Mark have arranged for Board Meeting lunch to be provided at a significantly lower cost, down from about $200 per meeting to under $100. Steve Peters has obtained a refund of several months of MadMimi fees and put the account on hold. Ron feels the online QuickBooks subscription linked to our bank accounts is unnecessary with the limited number of transactions we process and will be cancelling the QuickBooks account saving some $30 per month.

The Board discussed the Outlook e-mail service we are paying for and whether it is any longer necessary for supporting officer and other organizational e-mails forwarded to specific parties. It is up for renewal and Ron will check with Craig Stevenson as to whether it is still needed.

1.5. ATIC Board Membership

Over the last two years we have had six Board members step down, Michele Norin and Michael Stull due to job relocation, as well as David Daniels, John Lucas, Ralph Gierish, and Robert Backie for personal reasons. Over the same period Cathy Poplin, Matt Dostal, Jay Schlum, and Bobby Davis of Payson have been elected to the Board. We continue to need to expand participation with direct State of Arizona representation, as well as focus on rural and native stakeholder representation especially from the economic development community, and representatives from municipal, county, and higher ed CIOs going forward.

Marisa Walker of the Arizona Commerce Authority has been an active participant presenting to ATIC in the past and attending Board meetings recently. The Executive Committee has asked her to consider joining the ATIC Board. She will confer with ACA principals, duly consider, and get back to us.

Karen Ziegler, State of Arizona FirstNet Project Manager has been the primary impetus for the State's current broadband planning process and actively engaged with ATIC this year. She will confer with Matt Hanson, Statewide Grant Administrator at the Arizona Office of Grants and Federal Resources, duly consider, and get back to us.

Mala Muralidharan, Arizona State Library E-Rate State Coordinator, has been asked to consider joining the ATIC Board by the Executive Committee. She would complement Holly Henley, Arizona State Librarian already on the Board with her focus on K-12 and libraries e-rate opportunities. Henry will contact Holly to get her input on this prospect.

John Lucas, former CIO of Graham County and SACCNet visionary has recently retired from government service and established his own technology consulting firm. He was a long-standing ATIC Board member who stepped down several years back. The Executive Committee has been in discussions with John about participating in ATIC regularly, coming onto the Board, and considering a leadership role over time. He seems willing to do so, but is involved in several significant transitions over the next few months. We expect John to become a more visible participant and contributor in the new year.

Michael Britt of Copper Dome Consulting and former State of Arizona FirstNet Manager attended the September 13th Board Meeting. Mike Keeling nominated him to be Secretary, but Michael Britt declined. However, Mark has since spoken with Michael and believes he will begin participating regularly going forward.

Satish Pattisapu has replaced Mark Masterson as the CIO of the Arizona Department of Education and thus manages much of Arizona's K-12 IT deployment and integration. Milan Eaton works for Satish as ADE's K-12 E-Rate Coordinator and partners with Mala at Arizona State Library to drive Arizona e-rate utilization and impact. Mala recently engaged Satish on behalf of ATIC, he's been added to our Associates contact list, and we hope to see him get involved going forward.

Jeff Sobotka has changed employment from AT&T to T-Mobile and remained on the ATIC Board representing T-Mobile and leaving AT&T without a Board presence for the first time since our foundation. A few months back Mark Goldstein encouraged Jerry Fuentes of AT&T to provide a new AT&T representative. Mark will now follow up and reengage.

1.5.1. Nominations and Election of Officers

Henry Goldberg was elected as ATIC Vice Chair at the September 13, 2017 Board Meeting to serve for the balance of the annual officer cycle (until April 2018).

Mark Goldstein stepped down as Secretary as of April 12, 2017, but remains on the Board and continues to perform the Secretary's duties on a pro tem basis. No other nominations for Secretary were put forward at this meeting, so the office remains unfilled.

Brenda Beall, ATIC Chair has been unable to serve in that capacity for much of the year due to her now living in New York and some health challenges. We send our thoughts and prayers for her health and wellness.

1.6. Review of Outstanding Action Items as Documented in October 8, 2017 Minutes

None.

2. Informational Presentations

2.1 Mark Goldstein, International Research Center - Arizona Technology Council's State Broadband Policy Positions for 2018

Mark Goldstein reviewed the Arizona Technology Council's broadband policy sections from their 2018 Public Policy Guide going to press shortly. They had been discussed at the last Working Group meeting and several additions/revisions made based on suggestions there including urging ongoing support of the AUSF scheduled to expire in June 2018 and an evolution of its application from just e-rate program leverage to broader underserved community broadband infrastructure development.

Mark explained that the use of the term mutiuse was intended to indicate multiple applications and customer types. Referring to multiuse definition, Mala posited that e-rate primarily pays for dark or lit fiber, but only self-provisioning if the former two are not done. E-rate does not pay for any redundancy, but Mala said hopefully the focus groups will come up with some changes to e-rate support and FirstNet policies facilitating multiuse and adding redundancy.

Mike Whipple asked if the State section mentions AI or Open Data. Mark Goldstein said this would be more appropriately covered at the federal level, but he wasn't certain if the CompTIA federal policies covered it to date. Mike Whipple and Mark Goldstein discussed the Arizona legislation facilitating wireless asset placements, but were unsure if it provides for a cap on commercial cell tower permitting fees.

Mark suggested that ATIC should consider developing a set of broadband policy statements similar to what AZTC does every year and Oris will put this on the WG agenda for November.

Mark mentioned a recent National Telecommunications and Information Administration's (NTIA) BroadbandUSA program (https://www2.ntia.doc.gov/) statement regarding broadband's crucial role in regional economic development and distributed it with the WG Meeting announcement. It was deemed a useful set of observations and is included below for reference:

NTIA on Broadband and Regional Economic Development

In the face of new market demands, communities are repositioning themselves to maximize future prosperity and growth. Many communities are taking a cooperative approach, working with surrounding towns and cities to develop a regional economic strategy that utilizes local assets. One of those crucial assets is broadband. Why is broadband essential for regional economic development?

- **Broadband allows communities to expand their markets.** With broadband technology, communities can leverage their local resources and legacy industries to compete in the global economy.

- **Broadband enables industry clusters**. Broadband supports the "multiplier effect" by facilitating communication and data-sharing between inter-related businesses and institutions. Strong industry clusters spur innovation and local growth.

- **Broadband helps ensure that the workforce is qualified for regional jobs.** Broadband facilitates specific training opportunities, tailoring workforce skills trainings to help meet the requirements of the regional economy.

- **Broadband promotes "smart" regional development.** Integrating broadband into regional infrastructure ensures that planning efforts will accommodate and meet the region's needs.

- **Broadband enhances quality of place.** Broadband improves all aspects of a region's ecosystem, from healthcare to education to public safety. Higher living standards attract and retain residents, giving them more reason to invest in their communities.

3. **Activity Reports**

   3.1 **Rural Community Outreach (Bill Bolin, Henry Goldberg, Karen Ziegler)**

   Since the Arizona Department of Administration (ADOA) and other executive branch departments held their Arizona Statewide Broadband Planning event on June 29, 2017 at ASU SkySong, Karen Ziegler, Arizona FirstNet Project Manager and Bonnie Maney of Mission Critical Partners (http://www.mcp911.com/) have been undertaking provider and other stakeholder engagement, reengaging in State broadband strategic planning.

   ATIC's contributions to the Digital Arizona Council's Broadband Strategic Plan in the 2011-2013 timeframe have been repeatedly acknowledged and that draft plan in its various length forms is being leveraged to inform and direct today's strategic planning initiatives. ADOA has requested that broadband providers submit fiber infrastructure maps for use in middle mile gap analysis and strategic planning, but cooperation has been limited to date.

   ATIC has been assisting with identification of rural stakeholder to be invited to attend a series of rural broadband forums and distributed the invitation to our Board Members and Associates as did GAZeL. One was recently held (Payson) and four more are planned for the near future (Northern Arizona in Prescott 10/11/17, South Eastern Arizona in Douglas 10/13/17, Western

Arizona in Kingman on 10/16/17 and Parker on 10/17/17). The findings will be summarized and a report issued later this year.

The ACC AUSF $8M allocation and the $3 million budgeted by the Legislature to leverage the FCC e-rate broadband infrastructure for rural K-12 schools and libraries opportunity was discussed and significant advance work is underway to optimize participation in the next e-rate cycle with an emphasis on consortia efforts and county-wide RFPs where practical.

Bill Bolin gave an update on some of the rural broadband activities he has been recently involved in including a public private partnership (PPP) where Zayo is running fiber from Phoenix to Tucson and community stakeholders are asking for an off ramp on SR 79. There is also fiber being deployed along I-40, but seemingly not much interest in providing an off ramp to Tusayan where options include support from e-rate, bonds, go it alone to finance, PPP, and/or the USDA loan program. Additionally, the community of Page is proving a great example of a partnership. Bill Bolin's nonprofit now has its first contract for a community garden in Pinal county and Tom Doyle, formerly with ACA, is working on that.

John Kelly, ATIC Board Member and ATI Institute Chair has been tasked with contacting Jim Simms to get an update on his activities working with Juniper Networks and Fujitsu to emulate the Kentucky Wired program in Arizona.

3.2 K12/GAZeL Education Report (Steve Peters/Cathy Poplin)

GAZeL continues with monthly Phoenix-Tucson-remote networking events scheduled at a variety of interesting technology firm facilities with the next event scheduled for November 2.

GAZeL is planning a conference on disruptive learning for the Spring of 2018 at a Tucson venue TBD including a planning exercise for schools and district implementation and a closing reception. More details to follow.

Possible Augmented Reality (AR) and Virtual Reality (VR) projects in conjunction with Labster (https://www.labster.com/) for select schools will be considered in a conference call to be scheduled among ATIC, GAZeL, and AZTEA parties.

3.3 State Libraries (Holly Henley/Mala Muralidharan)

Holly Henley reported that State Library is continuing their relocation to the Polly Rosenbaum Building and is trying to get more material digitized. Going forward, ATIC will probably meet in the Historic Supreme Court Chambers or the nearby Copper Dome Room both on the 2nd floor of the State Capitol going forward.

State Library personnel have been helping with outreach and plan on attending several of the State regional broadband forums, as well as developing and providing impact stories. State Library is also working with Electronic Super Highway on webinars for broadband in rural areas and access to their tools, templates, etc. that explain importance of broadband in rural areas.

In support of the e-rate infrastructure support for K-12 and libraries, they have helped form a Navajo county consortium of schools and libraries, while Apache, Santa Cruz, and Yavapai Counties remain additional consortium candidates

Arizona State Library sponsored their all-day Tribal Library Digital Inclusion Summit at the Ak-Chin Indian Community Library on September 21. AZ StRUT (https://www.azstrut.org/) provided some 500 refurbished laptops that were distributed to attending libraries. Details at https://www.azlibrary.gov/events/2400.

Other upcoming meetings of possible interest to ATIC Board members and associates are scheduled at http://www.azlibrary.gov/events where you can find details and free registration. Also, you can catch State Library of Arizona on Social Media at:

Facebook: https://www.facebook.com/StateLibAZ

Pinterest: https://www.pinterest.com/statelibaz/

Newsletter: http://www.azlibrary.gov/sla

Virtual Reference Desk: https://statelibraryofarizona.wordpress.com/

3.4 Telehealth (Janet Major)

The Arizona Telemedicine Program (http://telemedicine.arizona.edu/) held their third Telemedicine & Telehealth Register Service Provider Showcase (SPS, http://ttspsworld.com/) in Phoenix on October 2-3, 2017. It was a well-attended and successful event.

3.5 Government Affairs (Mike Keeling)

Mike Keeling, Mark Goldstein, and Ron Schott are actively contributing to the Arizona Technology Council's annual Public Policy Guide (https://www.aztechcouncil.org/promoting-public-policy/public-policy-guide/) currently wrapping up for the 2018 season. Mark circulated the draft State Broadband Policy sections to all and they were reviewed at the recent Working Group Meeting as well as at this Board Meeting.

3.6 ATI Institute (John Kelly/Oris Friesen)

John Kelly, ATIC Board Member and ATI Institute Chair was tasked to explore the potential of ATI Institute working with Matt Hanson, the Statewide Grants Administrator (to whom Karen Ziegler reports) to promote and facilitate broadband grant activity.

Mark Goldstein, ATIC and ATI Institute Board member was tasked to coordinate a meeting with Ron Schott and Jeremy Babendure to explore possible partnerships and collaboration with the Arizona Technology Council Foundation (https://www.aztechcouncil.org/serving-arizona/aztc-foundation/).

An ATI Institute Board meeting will be held shortly to refresh the officers' standing and work on future plans.

4 Information and Action Plans

4.1 Discussion of ATIC Partnership & Business Model Working Group - Oris Friesen, Henry Goldberg & Mark Goldstein

Note that the summary below is of the October 2, 2017 Working Group Meeting.

Mark gave a brief update on the ATIC organizational strategy regarding Board membership and Officers. For details see Section 1.1 above.

We had a general discussion of the ATIC assistance being given to Bonnie Maney of Mission Critical Partners (MCP) and Karen Ziegler, with the Office of Grants and Federal Resources at the Arizona Department of Administration (ADOA), to identify rural Arizona stakeholders willing to participate in focus groups for the State Broadband Strategy development. MCP has been contracted by ADOA to perform this activity. Henry has forwarded Bonnie's focus group meeting announcement and invitation for the Oct. 11th - 17th focus groups in northern, southeastern, and western Arizona to ATIC members and interested parties to request they consider attending and invite end-user stakeholders to participate. Karen mentioned that there is interest in doing a telemedicine pilot in Douglas with Banner Health and Mark suggested contacting Janet Major and Mike Holcomb of the Arizona Telemedicine Program at the University of Arizona. A written report will be issued and a workshop will be held at the conclusion of all the focus groups to summarize the findings. Karen would like to schedule a session with ATIC to summarize the results of all the focus groups.

Mark reviewed a draft he has prepared for the Arizona Technology Council's (AZTC) 2018 Public Policy Guide for recommendations on Broadband and other ATIC-related topic areas to inform the state legislative activity, and asked for comments. It includes sections on education, the workforce and work place; universities and higher education; transportation and digital infrastructure; and biosciences, health care and telehealth.

Mark and Mala reported no real progress on the website development, and Mala agreed to prepare a plan shortly. In the meantime, all Board members should be preparing to submit a brief bio and photo that can be placed on the website.

Steve Peters suggested capitalizing on shared contacts such as the Science Foundation Arizona and the Arizona Technology Council Foundation to partner with Labster to initiate a project to provide for virtual online labs in select rural schools or more broadly. A conference call will be scheduled among ATIC, GAZeL, and AZTEA parties to expand the Labster initiative to demonstrate digital science courses statewide.

Michael Cohen mentioned the availability of grants for digital curricula.

The next ATIC Partnership & Business Model Working Group meeting will be scheduled for early November in advance of the next ATIC Board Meeting on November 8, 2017. Oris publishes a detailed report from each Working Group meeting that should be consulted for further details.

4.2 New Business or Motion Considerations (All)

The Board discussed the past history of several large groups of motions that had been made by Mike Whipple at previous meetings. These were documented in the minutes, but never acted upon. This Section 4.2 is carried in the Agenda to offer an opportunity for new business to be introduced and specific motions to be made, and if seconded, discussed and if appropriate, voted on. No new business or motions considerations were brought forth for this month.

5   Upcoming Meetings/Events Attended

None this month.

6   Announcements

The Arizona Technology Council will hold their annual Governor's Celebration of Innovation on November 2. ATIC Board members may attend at AZTC member rates.

The Arizona UAS Summit and Expo will be held from November 6-8 in Mesa. Info and registration at http://www.ArizonaUASsummit.com/.

7   Adjourn
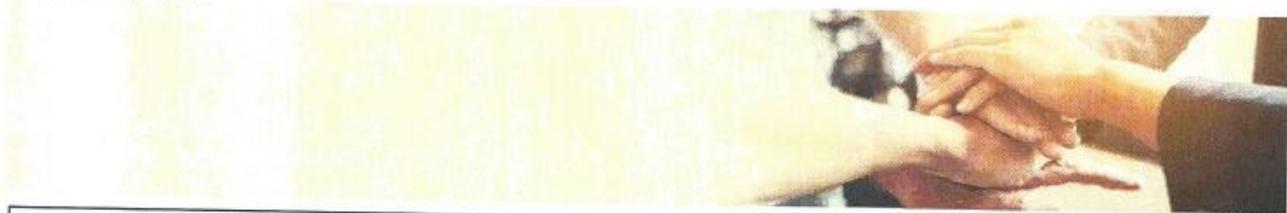
ATIC Upcoming Board & Public Meetings

The next ATIC Board Meeting will be on Wednesday, November 8, 2017 from 12:00-2:00 PM on the 2nd floor in the Historic Supreme Court Chamber of the Arizona State Library, 1700 W. Washington St., Phoenix AZ 85007.

Upcoming ATIC Board Meetings are scheduled for the second Wednesdays of the month (except August and December) from 12:00-2:00 at the Arizona State Library as follows:

November 8, 2017 (in the Historic Supreme Court Chamber, 2nd Floor)
January 10, 2018
February 14, 2018 (Statehood Day)
March 14, 2018
April 11, 2018
May 9, 2018
June 13, 2018
July 11, 2018
September 12, 2018
October 10, 2018
November 14, 2018

ATIC Public Meetings:

None Scheduled

DESERT SCHOOLS
FEDERAL CREDIT UNION

Account History – 60 Days

...04081-0400 Atic 434041	⌄

| From: [   ] | Show | OR | Last 30 Days History |
| To: [   ] | | | Last 90 Days History |

*Account History is limited to 90 days.

Atic 434041 (Rename This Account)

| Download Option | ⌄ |

| Current Balance: | $1,206.08 | Prior Year Dividend: | $0.00 |
| Available Balance: | $1,206.08 | Current YTD Dividend: | $0.00 |

Account and Routing Information: Click here for Details
Privilege Pay Status: Active ⑦
Privilege Pay Opt-In Level: Full ⑦ Change
Privilege Pay Limit: $600.00 ⑦

Check Search
Enter your check number to see if the check has cleared: [   ] Search

⊞ **Pending Transactions** ⑦

Account History

Date ▾	Description	Debits	Credits	Balance
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09/22/2017	DRAFT #2165 TRACER 7497833 ▣	-27.73		$151.58
09/13/2017	BLIMPIE SAMARAI SAM 5812 PHOENIX AZ 06520790 ▣ ✎	-107.25		$179.31
09/12/2017		-25.81		$286.56

	CENTURYLINK AUTO PAY AZ TELCOM INFO COUNCIL ▣			
09/06/2017	INTUIT *QB ONLINE 5734 800-286-6800 CA 00000000 ▣ ✎	-32.39		$312.37
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09/05/2017	DNH*MADMIMI0142569- 5968 877-9606464 AZ 01056000 ▣		45.65	$299.11
09/05/2017	DNH*MADMIMI0142569- 5968 877-9606464 AZ 01056000 ▣		45.65	$253.46
08/23/2017	DNH*MADMIMI0142569- 5968 877-9606464 AZ 01056000 ▣ ✎	-45.65		$207.81

Arizona Telecommunications And I (XXXXXXXX81)

DESERT SCHOOLS
FEDERAL CREDIT UNION
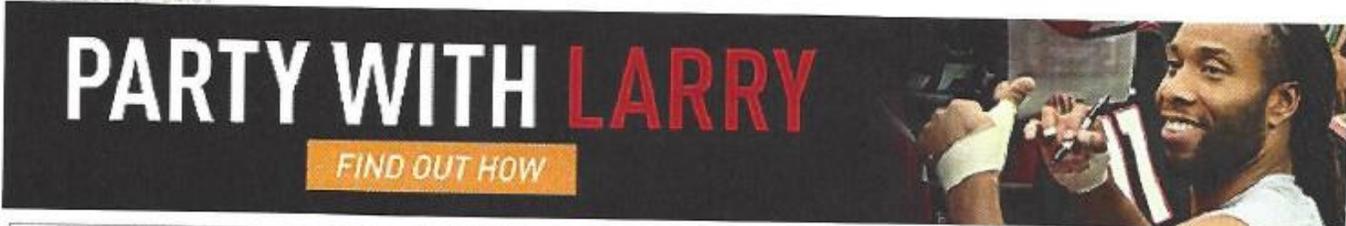
Shares

Account #	Name	Current Balance	Available Balance
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...04081-0400	Atic 434041	$1,206.08	$1,206.08
...04081-1100	Business Cert 18 Month 011822	$6,036.25	$6,036.25
...04081-1101	Business Cert 12 Month 011821	$6,114.94	$6,114.94
	Total:	$26,382.27	$26,357.27

Member Service

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