



COUNTY ADMINISTRATOR'S OFFICE

PIMA COUNTY GOVERNMENTAL CENTER
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C.H. HUCKELBERRY
County Administrator

August 25, 2016

Mr. Arnold B. Urken
1104 N. Rams Head Road
Green Valley, Arizona 85614

Re: **Elections Data and Computer Security**

Dear Mr. Urken:

Thank you for your report on elections data and computer security standards.

I believe we can do everything possible with regard to elections systems security and we will still remain vulnerable to hacking and security issues. If Russian hackers can hack the Democratic National Committee or the Clinton campaign computer systems, I am sure Pima County is possibly vulnerable. There is not much I, or anyone else, can do to block such intrusions.

As you know, we are having difficulty getting any direction from the Secretary of State, particularly related to scanned images of ballots. The previous Secretary of State indicated we cannot do anything with them. The present Secretary of State says the issue requires State legislation. Now, we are being sued to retain them, but for what purpose? No one knows, since we will always have the original ballot in our possession.

It is important to remember that the only verifiable document is the original ballot that will be in our possession, which is accessible only by the courts. Hence, our elections are indeed completely verifiable under the direction of the Courts.

You may wish to share this information with the members of the Election Integrity Commission.

Mr. Urken
Re: **Elections Data and Computer Security**
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Sincerely,

A handwritten signature in black ink, appearing to read "C.H. Huckelberry". The signature is written in a cursive style with a long, sweeping tail that extends downwards and to the right.

C.H. Huckelberry
County Administrator

CHH/anc

Attachment

c: Ellen Wheeler, Assistant County Administrator
Brad Nelson, Director, Elections Department

Chuck Huckelberry

From: Arnie Urken <arniebu@gmail.com>
Sent: Friday, August 19, 2016 2:18 PM
To: Chuck Huckelberry
Subject: Voting security and legal data reporting requirements

Hi Chuck,

Just a heads-up about a few issues the Commission will be sending to you and the Board.

One is the question of computer security standards. Many break-ins occur because knowledgeable hackers create or exploit inadvertent vulnerabilities in system software that can be used to slip into wreak havoc. I realize that systems managers cannot tell us the details of the SOS break-in, but it would be good to know that detection of such sophisticated attacks is part of the SOP in the SOS's office.

Likewise, it would be good to know that Pima County IT managers guard against such intrusions. The report you distributed did not seem to cover this type of problem for the Recorder or Election departments.

Second, neither the SOS nor the County mentioned Red Team testing of election systems. ES&S hires a professional hacking service that works for Lockheed Martin. I am not sure what the costs are. Maybe Putin could help?

Third, there is some confusion about the timing of delivery of election data to the parties after the election. Apparently, our election equipment is not designed to multitask so that work on setting up a new election and reporting the results of a just-completed vote can be managed concurrently.

Informally, the EIC has been told that the next iteration of the ES&S operating system will overcome this problem, but there are some situations that could embarrass the County by making it impossible to meet an information delivery standard set by a judge and comply with AZ requirements to deliver voting data to parties before the canvass.

I would glad to clarify if what you learn from Ellen Wheeler is not sufficient.

Best,
Arnie

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Arnie Urken
arniebu@gmail.com