

From: [Beth Bauer](#)
To: [Stephanie Ellwein](#)
Subject: 5G Agenda Info
Date: Thursday, March 31, 2022 11:56:36 AM

https://docs.google.com/document/d/1YgdTPUE_axJdi5XOGkXsUOkhBra7QAMa/edit?usp=sharing&oid=107275023720320281001&rtpof=true&sd=true
<https://drive.google.com/file/d/1LQMq6DczhtZ1CaLqwsX3nw5D3vqUcb0M/view?usp=sharing>

Beth Bauer
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Orange City Area Health System

1000 Lincoln Circle SE
Orange City, Iowa 51041-1862
Hospital 712.737.4984
Medical Clinic 712.737.2000
ocHealthSystem.org

December 9, 2015

RE: Ruth E Grady
DOB: 5/22/1956

To Whom It May Concern:

I'm writing in regards to Ms. Ruth Grady and her concern about radiofrequency radiation exposure. Patient gives a good history of health effects from exposure to radiofrequency radiation. She develops headaches, insomnia if exposed to radiofrequency radiation and if exposed to high levels of this she will also have heart palpitations and tinnitus. These symptoms all resolve when she is not exposed to the radiofrequency radiation. While the health effects of radiofrequency radiation are not fully proven there are case reports in the literature of similar symptoms from exposure to this. The World Health Organization does classify radiofrequency radiation as a class 2b carcinogen. With patient's health history I would recommend she not be exposed to radiofrequency radiation.

Sincerely,

Cynthia M Pals, MD
Orange City Medical Clinic
1000 Lincoln Circle Se Ste 100
Orange City IA 51041-1862
712-737-2000

December 16, 2015
City of Alton
Attention: Dale Oltmans, Leonard Pottebaum, Ron Minten
PO Box 910
Alton, Iowa 51003

Gentlemen,

Initially I reached out to you in July 2015 to express my concern regarding the installation of the AMR meters, both electric and water. After your response, I requested a meeting to further discuss and ask questions I had regarding the content of the letter. Our final agreement was that the city would consider other options based on my doctor's letter of recommendation. After following through and reviewing valid information, I am still requesting removal of the AMR electric meter and no installation of the water meter based on the following:

- Dr Pals' letter of recommendation
- Symptoms I experience when exposed in my home to RF/EMF such as headaches, insomnia, heart palpitations and tinnitus. As stated in my previous letter we do not have any of the main offenders that would be present in a home - microwave, Wi-Fi, computer of any kind, digital TV, Smart Phone
- Letter from Robert Palma, President and Electronic Engineer for Midwest Research Corp in Fairfield IA, where he clearly lays out dangers of RF to the City Managers which resulted in removal of and halt to installation of the AMR water meters
- Discussion with FCC representative, Donald Campbell, who stated FCC has not conducted a study on RF exposure since 1987 and the FCC takes their lead from the World Health Organization (WHO)
- WHO classification of RF/EMF as a Class 2B Carcinogen
- Precautionary Principle which states that "if an action or policy has a suspected risk of causing harm to the public or to the environment, in the absence of scientific consensus that the action or policy is harmful, the burden of proof that it is not harmful falls on those taking the action. This principle allows policy makers to make discretionary decisions in situations where there is the possibility of harm from taking a particular course or making a certain decision when extensive scientific knowledge on the matter is lacking. The principle implies that there is a social responsibility to protect the public from exposure to harm, when scientific investigation has found a plausible risk. These protections can be relaxed only if further scientific findings emerge that provide sound evidence that no harm will result."

Sincerely,

Ruth Grady

SMART METER OPT OUT OPTIONS AND FEES – draft Feb 15, 2015

UTILITY	ONE-TIME CHARGE	MONTHLY CHARGE	OPT-OUT OPTION	NOTES
CANADA				
British Columbia: BC Hydro	<p>NO FEE</p> <p>\$22.60 (plus \$55 charge to exit Opt Out and accept Smart Meter)¹</p> <p>\$65.00 “failed installation charge” if a customer refuses meter exchange or obstructs access</p>	<p>\$32.40</p> <p>\$20</p>	<p>Current Meter (ANALOG or DIGITAL) –then “LEGACY METER²” when current meter expires, then RADIO- OFF METER when customer moves or when BC Hydro’s inventory of legacy meters is exhausted</p> <p>RADIO-OFF METER³</p>	<p>Proposed Fees⁴ .</p> <p>B.C. Utilities Commission interim approval⁵.</p> <p>April 25, 2014 - BC Hydro Application for Approval of Charges Related to Meter Choices Program ~ Decision⁶</p> <p>The BCUC decision notes: “As a result of the prescriptive nature of Direction No. 4, the issues within scope in this public hearing are very narrow. They are limited to whether the proposed charges would enable BC Hydro to recover expenditures that are considered program costs, investigation costs and infrastructure costs to the extent that BC Hydro requests their recovery and the amount of the failed installation charge.”</p>

² “legacy meter” means an electricity meter, other than a smart meter or a radio-off meter, that is of a type in use by the authority <http://www.bcuc.com/Documents/SpecialDirections/2013/OIC-391-SD4-BCHSMI-Options.pdf>

³ “radio-off meter” means a smart meter adjusted so that the meters components that transmit data by radio are deactivated <http://www.bcuc.com/Documents/SpecialDirections/2013/OIC-391-SD4-BCHSMI-Options.pdf>

⁴ BC Hydro: METER CHOICES http://www.bchydro.com/energy-in-bc/projects/smart_metering_infrastructure_program/smart_meter_installation/installation_preparation/meter-choice.html?WT.mc_id=rd_meterchoice

British Columbia: FortisBC	\$88 for those with an unwanted Smart Meter (“AMI meter”) \$60 for those who choose a radio-off AMI meter before meter installations begin in their region. ⁷	\$9 (\$18 per read every 2 months)	RADIO-OFF METER	
Quebec: Hydro-Québec	\$15 before 30 day deadline \$85 after 30 day deadline ⁸	\$5	NON-COMMUNICATING ELECTRONIC METER	Hydro-Québec asked the Régie de l’énergie to authorize a review of the opting-out costs and conditions. ⁹ Hydro-Québec reduced fees in May 2014, but in a ruling released Sep 24, 2014, the Régie de l’énergie found that even the reduced fees were too high and ordered Hydro-Québec to cut them by nearly 60 per cent. Energy Minister Pierre Arcand said he was happy with the ruling, calling it a victory for consumers. “We don’t need to penalize the consumer who use those kinds of meters,” he said. ¹⁰ (Initial fee before 30 day deadline - was \$98, lowered to \$48 May 2014, now \$15 Initial fee after 30 day deadline was \$137, now \$85 monthly Reading fee was \$17.17, reduced to \$8, now \$5)
Quebec: Hydro Westmount	\$99 (waived if the analog has expired) ¹¹	\$5	NON-RF METER	By-law adopted April 8, 2014.

⁵ BC Utilities Commission Order G-166-13.

http://www.bcuc.com/Documents/Proceedings/2013/DOC_36246_A-1_G-166-13_BCH-Meter-Choice-Program.pdf

⁶ April 25, 2014 - BC Hydro Application for Approval of Charges Related to Meter Choices Program ~ Decision http://www.bcuc.com/Documents/Proceedings/2014/DOC_41266_04-25-2014_BCH%20Meter%20Choices_Decision_G-59-14.pdf

Table A Initial, Monthly and Exit Charges, page 7 summarizes fees

⁷ <http://www.fortisbc.com/About/ProjectsPlanning/ElecUtility/ProjectsInYourCommunity/AdvancedMeteringInfrastructure/Pages/Radio-off-option.aspx>

UNITED STATES				
Arizona: Tucson Electric Power Co ¹²	\$20 (proposed – need update)	\$10 \$5 per-month if you read your own meter. (proposed)	ELECTRO-MECHANICAL/ANALOG – with self-read option	TEP is honouring requests to keep the analog meter, but has not yet begun charging fees. (Nov 2013)
Arizona: Arizona Public Service ¹³	No fee for existing analog meters \$50 analog re-installation fee if Smart Meter is already installed	\$5	ANALOG	Docket No. E-01345A-13-0069: “ORDER: IT IS THEREFORE ORDERED that Arizona Public Service Company’s Service Schedule 17 is approved as modified by Staffs Alternative 1 except that the monthly meter reading charge is set at five dollars (\$5) and that a one-time fifty dollars set-up fee be assessed only for those Arizona Public Service Company customers with an AMI meter already in place.” ¹⁴

⁸ Quebec energy board cuts fees for smart-meter opt-out - Hydro-Québec ordered to reduce opt-out fee by \$33, CBC News:Sep 24, 2014 <http://www.cbc.ca/m/touch/canada/montreal/story/1.2776587>

⁹ Hydro-Québec to reduce opt-out cost for smart meters, Montréal Gazette, November 22, 2013
[HTTP://WWW.MONTREALGAZETTE.COM/BUSINESS/HYDRO+QU%C3%A9BEC+WANTS+REDUCE+COST+SMART+METERS/9202667/STORY.HTML](http://www.montrealgazette.com/business/hydro+qu%C3%A9bec+wants+reduce+cost+smart+meters/9202667/story.html)

¹⁰ Hydro-Québec ordered to reduce opt-out fee, CBC News, Sep 24, 2014

¹¹ City brings in promised opt-out from RF Hydro Meters, Westmount Independent, April 15, 2014 <http://citizensforsafetechnology.org/City-brings-in-promised-optout-from-RF-Hydro-Meters--Westmount-Quebec,15,3880>

Pdf of original article: <http://www.westmountindependent.com/Wlv8.4c.pdf>

¹² Utility 'smart meters' raise health, expense concerns, Arizona Daily Star, May 16, 2013 http://azstarnet.com/mobi/latest/article_ed579a26-59b3-5dfe-ad09-cf5168f44025.html

				The Utility had proposed a one-time fee of \$75 plus \$30 a month. ¹⁵
Arizona: Salt River Project	NO FEE	\$20.00		
California	\$75.00 \$10.00 for low-income customers ¹⁶	\$10.00; or \$5.00 for low-income customers	ANALOG	The California Public Utilities Commission agreed to allow electric customers to keep their current analog meter or reinstall an analog meter if a smart meter had been installed February 1, 2012. ¹⁷
California: Los Angeles Department of Water and Power (LADWP) - 52,000 meter pilot project	NO FEE	NO FEE – including free reinstallation of analog meter ¹⁸	ANALOG	Marcelo Di Paolo, manager of the LADWP Smart Grid project, has stated that the project is “purely a volunteer optional program” and that the community can “pick and actually choose whether or not to participate.” ¹⁹
Colorado: La Plata Electric Association	\$6.67 (\$20 per quarter) ²⁰	NO FEE	ANALOG	
Florida: Florida Power & Light Co.	\$89 ²¹	\$13	Current meter (ANALOG),	Acting as attorney on behalf of opt-out customers, a former Florida Public Service Commissioner filed a petition with FPSC March 31,

¹³ **State settles 'smart' meter debate**, The Republic | azcentral.com, December 13, 2014 <http://www.azcentral.com/story/money/business/2014/12/12/state-settles-smart-meter-debate/20343257/>

¹⁴ Docket No. E-01345A-13-0069 BEFORE THE ARIZONA CORPORATION COMMISSION: IN THE MATER OF ARIZONA PUBLIC SERVICE COMPANY APPLICATION FOR APPROVAL OF AUTOMATED METER OPT-OUT SERVICE SCHEDULE 17 <http://images.edocket.azcc.gov/docketpdf/0000159381.pdf>

¹⁵ **APS smart meters worry residents**, Verde Independent, Oct 11, 2013 <http://verdenews.com/main.asp?SectionID=1&SubsectionID=1&ArticleID=56641>

¹⁶ **PUC Orders PG&E to Offer Analog Meters as Sole Smart Meter Opt-Out Option**, La Mesa – Mount Helix Patch, January 17, 2012, <http://lamesa.patch.com/groups/susan-brinchmans-blog/p/bp--puc-orders-pge-to-offer-analog-meters-as-smart-me4240b673a5>

¹⁷ **California Public Utilities Commission’s Decision Modifying Pacific Gas and Electric Company’s SmartMeter Program to Include an Opt-out Plan:** http://docs.cpuc.ca.gov/word_pdf/AGENDA_DECISION/158309.pdf

¹⁸ **LADWP letter to customer** <http://stopsmartgrid.org/>

¹⁹ **Cindy Sage Challenges the “Smart” in LADWP’s “Smart” Grid: LADWP project manager guarantees “smart” meters are optional!** May 14, 2013 <http://emfsafetynetwork.org/cindy-sage-challenges-the-smart-in-ladwps-smart-grid/>

²⁰ **Smart-meter opt outs allowed** durangoherald.com Nov 19,2014 <http://durangoherald.com/article/20141119/NEWS01/141119465/Smart-meter-opt-outs-allowed->

	(reduced from proposed \$105) ²²	(reduced from proposed \$16)	then NON-COMMUNICATING METER when it needs replacement. ²³	2014 objecting to the fees, arguing that FPL is seeking advanced recovery for the cost of possibly unnecessary visits to customers who simply keep their old meters. The petition also says that the fees fail to account for the cost savings because FPL did not have the expense of installing a meter for those who opted out. (In 2010 an FPL official testified that the Smart Meters would save \$30 million by 2013, but the projected savings have not materialized). ²⁴
Florida: The City of Lakeland electric utility	NO FEE for those who opted out before March 1, 2013. \$65 meter equipment fee after March 1	\$16.25	ANALOG	Lakeland City commissioners approved fees November 5, 2012. ²⁵
Georgia: Georgia Power	No Fee to keep analog meter No fee to have Smart Meter removed.	\$19 ²⁶	ANALOG – (keep old one or have analog re-installed after Smart Meter removed) ²⁷	On December 17, 2013 the Georgia Public Service Commission approved a Smart Meter Opt-Out tariff as part of Georgia Power's 2013 rate case. Customers who opt out of having a smart meter installed and prefer to maintain a mechanical meter at their residence or facility can now do so with a basic service charge of \$19 per month. Customers can also request removal of their smart meters for no extra charge.

²¹ Florida Public Service Commission News Releases **Florida PSC Reduces FPL Non-Standard Meter Customer Charge**, Dec 18, 2014 <http://www.psc.state.fl.us/home/news/index.aspx?id=1214>

²² **FPL sets higher charge for customers refusing smart meters**, Orlando Sentinel, January 7, 2014 http://www.orlandosentinel.com/business/os-dumb-electric-meter-charge-20140107_0_4390998.story
http://www.wptv.com/dpp/news/region_c_palm_beach_county/west_palm_beach/fpl-smart-meter-update-there-will-be-a-monthly-fee-if-you-refuse-a-smart-meter#ixzz2sxt802I

²³ **Florida Public Service Commission Docket # 130223**, filed by Florida Power & Light <http://www.floridapsc.com/dockets/cms/docketFilings3.aspx?docket=130223>

²⁴ **Former PSC commissioner files smart meter petition on behalf of Loxahatchee couple**, Palm Beach Post, March 31, 2014 <http://www.palmbeachpost.com/news/news/former-psc-commissioner-files-smart-meter-petition/nfPdP/>

²⁵ **Lakeland Officials Approve Fee to Opt-Out of Smart Meter Program**, The Ledger, November 5, 2012 <http://www.theledger.com/article/20121105/POLITICS/121109627>

²⁶ **For a price, Georgia Power customers can opt out of smart meters**, SavannahNow.com, January 22, 2014 <http://savannahnow.com/exchange/2014-01-22/price-georgia-power-customers-can-opt-out-smart-meters#.UuIH9ZoWLbg>

²⁷ **Georgia Public Service Commission Smart Meter Q & A** <http://www.psc.state.ga.us/electric/smartMeter/>

Hawaii: The Kauai Island Utility Cooperative	\$50.64 residential \$138.80 commercial ²⁸	\$10.27	ANALOG	Approved by the Hawaii Public Utilities Commission Nov 2013 ²⁹ Kauai Island Utility Cooperative voted to keep the fees Jan 2014 ³⁰
Hawaii: Hawaiian Electric Co				HECO says it plans to offer customers an opt-out provision similar to that of the Kauai Island Utility ³¹
Illinois: Commonwealth Edison Co - northern Illinois service territory	No Fee	\$21.53 ³²	ANALOG	rejected ComEd's request for a \$25.00 fee, but on Feb. 5, 2014, they allowed ComEd to impose a \$21.53 surcharge.
Illinois: Ameren Illinois - both electric and natural gas meters	No Fee to keep analog; \$70 to reinstall analog If customers change their mind. ³³	\$20.00	ANALOG	The Illinois Commerce Commission approved the fees Sept. 3, 2014
Maine: Central Maine Power	a.\$40 b.\$20.00	a.\$12 b. \$10.50	a. ELECTRO-MECHANICAL b. a standard wireless smart meter with the internal network interface card operating in receive-only mode	On May 17, 2011 the Maine Public Utilities Commission ordered CMP to create an opt out program for customers who do not want a wireless smart meter ³⁴ As of July 2012, the Maine Supreme Judicial Court has ruled that the PUC failed to properly address health and safety concerns. The Public

²⁸ **Non-smart meters fees approved**, The Garden Island, November 3, 2013 http://thegardenisland.com/news/local/non-smart-meters-fees-approved/article_f64efbd2-444f-11e3-a7eb-0019bb2963f4.html

²⁹ **KIUC ballot set, election begins Jan. 3**, The Garden Island, December 18, 2013 http://thegardenisland.com/news/local/kiuc-ballot-set-election-begins-jan/article_2b77f420-67ab-11e3-b977-0019bb2963f4.html

³⁰ **Kauai utility votes to keep smart meter opt-out fees**, Star-Advertiser, Jan 26, 2014 http://www.staradvertiser.com/news/breaking/20140126_Kauai_utility_votes_to_keep_meter_optout_fees.html?id=242091521

³¹ **HECO moves to install controversial smart meters**, Jul 03, 2013 <http://www.hawaiinewsnow.com/story/22758923/heco-moves-to-install-controversial-smart-grids>

³² **No smart meter for you? It'll cost you**, Chicagobusiness.com, February 06, 2014 <http://www.chicagobusiness.com/article/20140206/NEWS11/140209838/no-smart-meter-for-you-itll-cost-you#>

³³ **'Smart meter' refusal comes at a cost**, herald-review.com, September 22, 2014 http://herald-review.com/news/local/smart-meter-refusal-comes-at-a-cost/article_dbf05964-ecbf-5b8a-8347-4aaa4f4c9dc9.html

			(transmitter off)	Utilities Commission has opened a docket to examine the health and safety issues. ³⁵ Bill LD 826 - An Act To Eliminate the Opt-out Charges for Smart Meters ³⁶ , which prohibits a utility from charging a fee or a higher rate for declining the installation or for the removal of a wireless smart meter was put forth March 26, 2013 and has been carried over to 2014 regular session. ³⁷
<p>Maryland : Baltimore Gas and Electric Co (BGE)</p> <p>*Opt-out customers who have both electric and gas service pay the fee once to opt-out for both.</p> <p>Maryland: Pepco</p> <p>Maryland: Delmarva Power & Light Co</p>	<p>\$75.00 (reduced from proposed \$100.00) (Same fee to keep old meter or have Smart Meter replaced by standard meter.)</p> <p>\$75.00 (reduced from proposed \$100.00)</p> <p>\$75.00</p>	<p>\$11.00 (reduced from proposed \$15)</p> <p>\$14.00 (reduced from proposed \$58.00)</p> <p>\$17.00</p>	<p>ELECTRO-MECHANICAL current analog or digital meter (“legacy meter”)</p> <p>Customers who have a Smart Meter but wish to opt out can have current Smart Meter replaced by a “standard” meter</p>	<p>On January 7, 2013, The Maryland Public Service Commission (“MPSC”) concluded that the public interest required that customers be allowed the option of declining the installation of a smart meter.</p> <p>On August 6, 2013, Baltimore Gas and Electric Co. and other utilities in Maryland propose opt-out fees.³⁸</p> <p>On February 26, 2014, MPSC approved opt-out fees. They will re-visit these costs after the percentage of opt-out customers has stabilized and may adjust fees accordingly.³⁹</p> <p>Two bills are now pending in the Maryland legislature that would prohibit the opt-out fees.⁴⁰</p> <p>Charges begin August 2014.⁴¹</p>

³⁴ PUC Approves smart meter opt out program. <http://www.maine.gov/meopa/utilities/electric/smartgrid.html>

³⁵ Friedman v. Maine Public Utilities Comm., Law Docket No. PUC-11-532 <http://caselaw.findlaw.com/me-supreme-judicial-court/1606139.html>

³⁷ Bill eliminates 'opt-out' fee for smart meters in Maine, Maine Sun Journal, March 26, 2013 <http://www.sunjournal.com/news/maine/2013/03/26/bill-eliminates-opt-out-fee-smart-meters-maine/1339124>

- Bill LD 826 -An Act To Eliminate the Opt-out Charges for Smart Meters http://www.mainelegislature.org/legis/bills/bills_126th/billtexts/HP057701.asp

Maryland: Southern Maryland Electric Cooperative	(reduced from proposed \$100) \$75.00 (reduced from proposed \$105.32)	(reduced from proposed \$58.00) \$17.00. (reduced from proposed \$34.94)		
Massachusetts: Massachusetts Electric Company, Nantucket Electric, Boston Gas, and Colonial Gas	\$26.00 to remove and replace an existing AMR electric meter ⁴² \$67.00 to remove and replace an existing AMR gas meter	\$11.00 - electric \$13.00 – gas	NON-AMR electric or gas meter	
Michigan: DTE Electric	\$67.20	\$9.80	NON-TRANSMITTING METER	<ul style="list-style-type: none"> On January 12, 2012, the Michigan Public Service Commission opened a review of smart meters.⁴³

³⁸ **Utilities propose charges to opt out of smart meter: Estimates don't pass the 'straight-face test,' opponent says,** The Baltimore Sun, August 05, 2013 http://articles.baltimoresun.com/2013-08-05/business/bs-bz-smart-meter-opt-out-cost-20130805_1_digital-meters-radio-frequency-emissions-maryland-electric-cooperative

³⁹ ORDER 86200 BEFORE THE PUBLIC SERVICE COMMISSION OF MARYLAND, February 26, 2014 http://webapp.psc.state.md.us/Intranet/sitesearch/Whats_new/Order%20No.%2086200%20-%20Case%20Nos.%20%209207,%209208,%209294%20-%20Smart%20Meter%20Opt-Out%20Fees.pdf

⁴⁰ **Maryland delegates criticize BGE smart meter opt-out fees: Bill has bipartisan support to erase opt-out charges,** WBAL-TV 11, Mar 04, 2014 <http://www.wbal.com/politics/md-delegate-to-challenge-bge-smart-meters-fees/24794032>

- **Locals upset over Smart Meters support Senate Bill 9,** WMDT.com. Feb 15, 2015 <http://www.wmdt.com/news/more-local-news/locals-upset-over-smart-meters-support-senate-bill-9/31287120>
- **THE PROPOSAL: 2015 HB 516/SB 9 Propose No Cost Smart Meter Opt Out, 2015 MD HB 516** (sponsored by Delegate Glass) and SB 9 (sponsored by Senator McFadden) reported February 25, 2015 <http://www.marylandlegislativewatch.com/2015-hb-516sb-9-propose-no-cost-smart-meter-opt-out/>

⁴¹ **Cost of not taking a smart meter arrives,** August 08, 2014, The Baltimore Sun http://articles.baltimoresun.com/2014-08-08/business/bs-bz-bge-smart-meters-20140803_1_smart-meters-meters-bge-indoor-meters

⁴² Petition of Massachusetts Electric Company, Nantucket Electric Company, Boston Gas Company, and Colonial Gas Company, each d/b/a National Grid, for approval by the Department of Public Utilities of a residential automatic meter reading opt-out provision set forth in tariffs M.D.P.U. Nos. 1215, 26, and 17., D.P.U. 13-83-A April 30, 2014, page 6 http://web1.env.state.ma.us/DPU/FileRoomAPI/api/Attachments/Get/?path=13-83%2fDPU1383A_FinalOrder.pdf

				<ul style="list-style-type: none"> In May (DTE Electric) and June (Consumers Energy), 2013, the Michigan Public Service Commission (MPSC) approved non-transmitting meter provisions for residential electric customers ⁴⁴ 4546
Michigan: Consumers Energy	\$69.39, if the notice is given before the transmitting meter is installed; \$123.91 to remove a wireless Smart Meter	\$9.72	NON-TRANSMITTING METER	
Nevada: NV Energy	\$52.86 to return to a traditional meter	\$8.82	ANALOG - new analog meters to be installed for all opt-out customers⁴⁷	<ul style="list-style-type: none"> In January, 2013, Nevada Public Utilities Commission agreed to let NV Energy charge opt out fees. The commission also approved analog meters as the alternative to Smart Meters.⁴⁸
New York: Long Island Gas	\$95.64 to remove AMR meter and install non-AMR meter ⁴⁹	\$7.77		
New York: Central Hudson Gas & Electric Corp. (Ulster County)	tba	tba		Ulster County legislators voted 12-0 December 17, 2014 in favor of a resolution urging the state Legislature prohibit electric utilities from

⁴³ Michigan Public Service Commission, Order Opening Docket U-17000: <http://efile.mpsc.state.mi.us/efile/docs/17000/0001.pdf>

⁴⁴ **MPSC Approves Advanced Metering Infrastructure Non-Transmitting Meter Provision for Residential Customers of Consumers Energy Company**, June 28, 2013 http://www.michigan.gov/mpsc/0,4639,7-159-16400_17280-307199--,00.html

⁴⁵ **Michigan Public Service Commission Customer Support Section: Smart Grid and Advanced Metering Infrastructure** http://www.michigan.gov/documents/mpsc/ami_final_426915_7.pdf

⁴⁶ **Debate on 'smart' meters rages on in Allen Park**, The News-Herald, June 14, 2014, <http://www.thenewsherald.com/articles/2014/06/14/news/doc539b131d9a337107399222.txt?viewmode=2>

⁴⁷ **NV Energy customers can opt for 'refurbished' old-style meters**, Las Vega Sun, Jan. 9, 2013 <http://www.lasvegassun.com/news/2013/jan/09/nv-energy-customers-can-opt-old-style-meters/>

⁴⁸ **Smart Meters Battle Ends For Good**, Las Vegas Review-Journal, January 9, 2013 <http://www.reviewjournal.com/business/energy/smart-meters-battle-ends-good>

⁴⁹ Long Island Gas, The KEDLI Gas Company LI - Decline AMR Meter Application Form (National Grid Customer Service 1-800-930-5003.) http://files.meetup.com/1514058/LIGAS_DECLINE_AMR_Meter.pdf

				forcing consumers to use so-called smart meters or transmitting utility meters on their homes. ⁵⁰
New Mexico: New Mexico Gas Company	NO FEE	NO FEE	ANALOG – SELF READ: Customers send in own meter readings once a month	
OREGON: Portland General Electric Company ⁵¹	\$254 Fee is the same whether replacing a Smart Meter or an old (analog) meter ⁵²	\$51	NON-COMMUNICATING (radio off) Unwanted Smart Meters will be exchanged. Some analogs still operating as of spring 2014, but these will be replaced.	As of April, 2014 Portland General Electric Company had 14 customers who have chosen to have a non-standard, non-networking meter installed.
OREGON: Ashland Electric Department ⁵³	NO FEE	NO FEE	ANALOG	
OREGON: Eugene Water & Electric Board	NO FEE	NO FEE	ANALOG	Opt-In Plan: customers who want a smart meter would have to call EWEB to get one installed. Those who don't ask for one won't get one. ⁵⁴

⁵⁰ **Ulster County lawmakers back opt-out proposal for electronic utility meters**, Daily Freeman, Dec/17, 2013, <http://www.dailyfreeman.com/general-news/20131217/ulster-county-lawmakers-back-opt-out-proposal-for-electronic-utility-meters#comments>

⁵¹ **Could smart meters pose health risks? Some say yes**, KATU Problem Solver, Mar 25, 2013 <http://www.katu.com/news/local/Could-smart-meters-pose-health-risks-Some-say-yes-199882821.html>

⁵² Customer service 503 – 228 -6322

⁵³ **Ashland drops smart meter opt-out fee**, The Associated Press, June 12, 2012, <http://projects.registerguard.com/web/newslocalnews/28216815-41/meters-ashland-smart-opt-health.html.csp>

- A Resolution Adopting An Opt Out Policy For The Automated Meter Reading Program, May 17, 2012 <http://www.ashland.or.us/SIB/files/2012-14%20AMR%20Opt%20Out%20Policy.pdf>

⁵⁴ **Voluntary 'Smart' Meter Option Is Adopted**, , OCT. 2, 2013 <http://www.registerguard.com/rg/news/local/30540231-75/meters-smart-eweb-meter-million.html.csp>

Tennessee: Memphis Light, Gas and Water Divison	NO FEE ⁵⁵	NO FEE		
Vermont:	NO FEE NO FEE to have Smart Meter removed ⁵⁶	NO FEE	ANALOG	<ul style="list-style-type: none"> On May 18, 2012, Governor Peter Shumlin signed into law S. 214 (Act 0170) allowing for smart meter installation if utility company (1) provides prior written notice to the customer indicating that the meter will use radio or other wireless means for two-way communication between the meter and the company and informing the customer of his or her rights; (2) allows a customer to choose not to have a wireless smart meter installed, at no additional monthly or other charge; and (3) allows a customer to require removal of a previously installed wireless smart meter for any reason and at an agreed-upon time, without incurring any charge for such removal.⁵⁷
Virginia: Dominion Virginia Power	NO FEE currently, but Dominion Virginia Power will be going before the State Corporation Commission of Virginia and requesting to charge fees. ⁵⁸	NO FEE currently, but Dominion Virginia Power will be going before the State Corporation Commission of Virginia and requesting to charge fees.	NON-COMMUNICATING METERS - smart meters with both the two-way communications and data storage features disabled.	Dominion Virginia Power has eliminated from all the meters the 2nd antenna that keeps track of what appliances are using how much electricity at any given time. ⁵⁹
Washington State: Port Angeles City Council Public Works and Utilities	NO FEE - Smart Meter Program ended	NO FEE	All Smart-meter components that wirelessly transmit will be	City residents voiced repeated objections to the project, citing health concerns over the electromagnetic energy employed by the wireless

⁵⁵ **No Smart Meter Opt Out Fee for Memphis MLGW Customers**, October 3, 2013 <http://thetruthaboutsmartgrids.org/2013/10/03/no-opt-out-fee-in-memphis/>

⁵⁶ **Vermont 'Smart Meter' Opposition: No Opt Out Fee under New Legislation**, Huffington Post, May 14, 2012, http://www.huffingtonpost.com/2012/05/14/vermont-smart-meters-opposition_n_1514544.html

⁵⁷ S. 214 (Act 0170), AN ACT RELATING TO VERMONT ENERGY ACT OF 2012, at pp. 61-63: <http://www.leg.state.vt.us/docs/2012/Acts/ACT170.pdf>

⁵⁸ Dominion Virginia Power: Interim Non-Communicating Meter Option Requirements <https://www.dom.com/about/conservation/pdf/meter-option-requirements.pdf>

⁵⁹ Dominion: Smart Meter FAQs: Are there alternatives to receiving a smart meter? <https://www.dom.com/about/conservation/smartmeter-faqs.jsp>

			removed	devices. City Council approved a \$1.8 million settlement with Mueller Systems LLC to end the “Smart” Meter program. All water and electric meters will be free of the controversial, electromagnetic Smart Meter components. ⁶⁰
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⁶⁰ Proposed \$1.8 million settlement would end Port Angeles ‘smart’ meter dispute, Peninsula Daily News, October 19, 2014 <http://www.peninsuladailynews.com/article/20141019/news/310199902/proposed-18-million-settlement-would-end-port-angeles>