

**CERTIFIED  
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**STATE OF CONNECTICUT  
OFFICE OF HEALTH STRATEGY**

**Docket No.: 20-32376-CON**

**Proposal: Acquisition of a Computed  
Tomography ("CT") Simulator and  
Technology New to the State  
(Statute Reference 19a-639)**

**Applicant: Danbury Proton, LLC (Danbury, CT)**

**Public/Administrative Hearing held via  
Teleconference, on April 1, 2021, beginning at 10 a.m.**

**H e l d B e f o r e:**

**MICHEALA MITCHELL, ESQ., THE HEARING OFFICER**

1   **A p p e a r a n c e s :**

2   **For the Applicant:**

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10

11   **For the Department of Health:**

12           **LESLIE GREER**

13

14   **OHS Staff:**

15           **BRIAN A. CARNEY**

16           **ROY WANG**

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1 (Begin: 10 a.m.)

2  
3 THE HEARING OFFICER: Good morning, everyone. This  
4 hearing before the Health Systems Planning Unit of  
5 the Office of Health Strategy is identified by  
6 Docket Number 20-32376-CON and is being held on  
7 April 1st of 2021 to establish proton therapy  
8 services in Danbury, Connecticut, by acquisition  
9 of new technology and a CT simulator.

10 On March 14 of 2020 Governor Ned Lamont  
11 issued Executive Order 7B which in the relevant  
12 part suspended open meeting requirements to ensure  
13 the continuity of operations while maintaining the  
14 necessary social distance to avoid the spread of  
15 COVID-19. The Office of Health Strategy is  
16 holding this hearing remotely.

17 We ask that all members of the public to mute  
18 the device that they are using to access the  
19 hearing and silence any additional devices that  
20 are around them.

21 This hearing is being held pursuant to  
22 Connecticut General Statutes Section 19a-639a in  
23 accordance with the provisions of Chapter 54 of  
24 the Connecticut General Statutes.

25 My name is Michaela Mitchell. Victoria

1 Veltri, the Executive Director of the Office of  
2 Health Strategy has designated me to serve as the  
3 Hearing Officer in this matter.

4 Also in attendance are my colleagues, Brian  
5 Carney and Roy Wang, who are here to assist me in  
6 gathering facts related to this application. We  
7 also have with us Ms. Leslie Greer who is our  
8 consumer information representative.

9 The certificate of need process is a  
10 regulatory process, and as such the highest level  
11 of respect will be accorded to the party in this  
12 matter, also to the members of the public and to  
13 our staff. Our priority is the integrity and  
14 transparency of this process, and we ask that  
15 decorum be maintained by all present during the  
16 proceedings.

17 The hearing is being recorded and will be  
18 transcribed by BCT Reporting, LLC. All documents  
19 related to this hearing that have been or will be  
20 submitted to the Office of Health Strategy are  
21 available for review through our CON portable  
22 which is accessible on the Office of Health  
23 Strategy's CON webpage.

24 In making its decision HSP, which is the  
25 Health Systems Planning unit, will consider and

1 make written findings concerning the principles  
2 and guidelines set forth in Section 19-639 of the  
3 Connecticut General Statutes.

4 Danbury Proton, LLC, is a party to this  
5 hearing. There are no interveners.

6 At this time I'm going to ask Mr. Carney to  
7 read into the record those documents already  
8 appearing in HSP's table of record in this case.  
9 All documents have been identified in the table of  
10 record for reference purposes.

11 MR. CARNEY: Good morning. My name is Brian Carney of  
12 the Office of Health Strategy, Health Systems  
13 Planning Unit.

14 THE REPORTER: This is the Court Reporter. I'm having  
15 a lot of feedback.

16 THE HEARING OFFICER: All right. So I'm just going to  
17 ask so that if anybody is having feedback, we make  
18 sure that you use the chat function.

19 Is anybody else experiencing feedback? I'm  
20 going to actually ask counsel for the applicant,  
21 are you having any feedback?

22 MR. HARDY: Good morning, Attorney Mitchell. Yes, we  
23 are hearing feedback there. I think we're still  
24 hearing feedback.

25 THE HEARING OFFICER: So I'm just going to ask everyone

1 who is not speaking to mute themselves. I'm  
2 actually going to mute myself when others are  
3 speaking, too. It may be an issue with the  
4 microphones.

5 Okay. Brian, if you wouldn't mind just  
6 repeating what you said?

7 MR. CARNEY: Sure. I'd like to enter into this record  
8 at this time the table of records Exhibits A  
9 through R.

10 THE HEARING OFFICER: I just want to double check with  
11 Attorney Hardy. Any issue hearing Mr. Carney at  
12 that time? Was there still feedback?

13 MR. HARDY: No feedback that time. Thank you.

14 THE HEARING OFFICER: Okay. So I'm just going to go  
15 ahead and intermittently mute myself. I think I  
16 want everyone to mute themselves if they're not  
17 speaking during the hearing, and that will  
18 probably minimize the feedback.

19 If anybody else is experiencing feedback just  
20 make sure that you use the chat function. We do  
21 monitor that through the hearing. It minimizes  
22 interruptions if people are testifying or talking,  
23 and we'll make sure that we address any issues in  
24 that fashion.

25 So -- I muted myself.

1           Let me just ask. Attorney Hardy, just for  
2           the record did you have any objections to the  
3           exhibits in the table of record?

4 MR. HARDY: No objection to the exhibits.

5 THE HEARING OFFICER: Okay. So we will proceed in the  
6           order established in the agenda for today's  
7           hearing.

8           We'll stop for a 45 minutes at one o'clock  
9           for lunch. I'm going to reserve the right to  
10          allow public officials and members of the  
11          public to testify outside of the order of the  
12          agenda as necessary. I'd like to also advise the  
13          Applicant that we may ask questions related to  
14          your application that you may feel that you've  
15          already addressed, and we do this for the purpose  
16          of ensuring that the public has knowledge about  
17          the proposal and also for the purpose of  
18          clarification.

19          I want to reassure you that we read your  
20          application complete with its responses and  
21          prefiled testimony.

22          As this hearing is being held virtually, I'm  
23          going to reiterate that all participants to the  
24          extent possible should enable the use of video  
25          cameras when testifying or commenting during the

1 proceedings. Anyone who is not commenting or  
2 testifying should mute their electronic devices  
3 including telephones, televisions and other  
4 devices not being used to access the hearing.

5 Again, we're going to monitor everyone during  
6 the hearing. To the extent possible I ask  
7 Attorney Hardy to use the raised-hand function to  
8 make an objection or a comment, and I'll address  
9 you -- but if we don't immediately recognize you,  
10 you may unmute your device and address me  
11 directly.

12 And again, I also advise people that we're  
13 not going to stop the recording for this hearing.  
14 So participants in the hearing should mute their  
15 devices and disable their cameras when we go off  
16 the record or take a break, otherwise whatever you  
17 say is going to be recorded. So you just want to  
18 make sure that you're being very careful. If  
19 there's something you don't want to be on the  
20 recording, make sure you mute your device.

21 I'll also continue to give a warning to the  
22 Applicant and to the public to let them know one  
23 minute prior to us going back on the record after  
24 we've taken a break so everybody can be all  
25 settled in.

1           Public comment taking during the hearing  
2 shall go in the order established by OHS during  
3 the registration process which commences at three  
4 o'clock. I'll call each individual by name when  
5 it's his or her turn to speak, and each member of  
6 the public will be limited to three minutes of  
7 speaking time.

8           At this time I would like all the individuals  
9 who are going to testify on behalf of the  
10 Applicant to be identified by Attorney Hardy,  
11 after which I will swear them in.

12 MR. HARDY: Thank you. So the witnesses who will  
13 testifying this morning are Mr. Stephen Courtney,  
14 Dr. Michael Moyers, Dr. Lionel Boucher, Mr. Drew  
15 Crandall, Dr. Andrew Chang, Ms. Deborah Hickey,  
16 Mr. Donald Melson, Mr. Steve Coma, Dr. Leslie  
17 Yonemoto and Mr. Robert Marckini.

18 THE HEARING OFFICER: Perfect. So that's everybody  
19 that you identified in your prefiled testimony.  
20 Right?

21 MR. HARDY: That is correct.

22 THE HEARING OFFICER: Okay. So I'm going to ask  
23 everyone that Attorney Hardy mentioned to raise  
24 their right hand so that I can swear them in.  
25

1 S T E P H E N C O U R T N E Y ,  
2 M I C H A E L M O Y E R S ,  
3 L I O N E L B O U C H E R ,  
4 D R E W C R A N D A L L ,  
5 A N D R E W C H A N G ,  
6 D E B O R A H H I C K E Y ,  
7 D O N A L D M E L S O N ,  
8 S T E V E C O M A ,  
9 L E S L I E Y O N E M O T O ,  
10 R O B E R T M A R C K I N I ,

11 called as witnesses, being first duly sworn by the  
12 Hearing Officer, were examined and testified under  
13 oath as follows:

14  
15 THE HEARING OFFICER: All right. So at this time we're  
16 going to go ahead and turn it over to Attorney  
17 Hardy for the presentation of the applicant's  
18 testimony.

19 MR. HARDY: Thank you, Attorney Mitchell, and  
20 Mr. Carney and Mr. Wang.

21 Are you able to provide me with screen  
22 sharing license?

23 MR. CARNEY: Yes. One second. Let me get to that  
24 here.

25 THE REPORTER: And this is the Court Reporter. As a

1           gentle reminder, if people could just identify  
2           themselves when speaking it would be greatly  
3           appreciated.

4   **THE HEARING OFFICER:** Perfect. Also when you make your  
5           statement just make sure that you adopt your  
6           prefiled testimony as well.

7   **MR. CARNEY:** Okay. Attorney Hardy, you should be a  
8           cohost now and be able to share your screen.

9   **MR. HARDY:** Okay. Is my screen now showing? Okay.  
10           Very good. Our first witness is Mr. Stephen  
11           Courtney.

12   **THE WITNESS (Courtney):** Thank you, Attorney Hardy.

13           Good morning, Attorney Mitchell and OHS  
14           staff. My name is Steve Courtney and accept my  
15           prefiled testimony.

16           It's a pleasure to be here, and we look  
17           forward to answering any questions OHS may have.  
18           If ever there was a team that could answer even  
19           the most arcane questions on proton therapy, this  
20           is it.

21           I will introduce you to our speakers very,  
22           very briefly, as you have their CVs. In the order  
23           of presentation, myself an architect, Danbury  
24           Proton Managing Director; Dr. Michael Moyers,  
25           medical physicist, Professor and Chairman,

1 Department of Medical Physics, Shanghai Proton and  
2 Heavy Ion Center; Dr. Lionel Boucher, Vice  
3 President, physicist with Mevion Medical Systems;  
4 Mr. Drew Crandall, our Danbury Proton Community  
5 Engagement Director; Dr. Andrew Chang,  
6 pediatrician and radiation oncologist with Proton  
7 Doctors Professional Corporation; Ms. Deborah  
8 Hickey, Brotherhood of the Balloon, Director of  
9 Operations; Mr. Donald Melson, our Danbury Proton  
10 finance director; Mr. Steve Coma, Hilltop  
11 Securities Managing Director; Dr. Leslie Yonemoto,  
12 radiation oncologist with Proton Doctors  
13 Professional Corporation; and finally, Robert  
14 Marckini, Brotherhood of the Balloon, Founder.

15 We will endeavor to keep our testimony in the  
16 five-minute range that you have outlined for us,  
17 but there will be a couple of them including my  
18 own that will be a little bit longer.

19 Throughout our brief comments we will --  
20 there will be three common themes; one, the  
21 efficacy of proton therapy in terms of cure and  
22 quality of life; two, the treatment costs, long  
23 view; and number three, the Connecticut need for  
24 at least two treatment rooms.

25 Next, I'll start with this graph which shows

1 the accelerating growth of proton therapy in the  
2 last 30 years. I became director of operations of  
3 the one design firm with proton therapy capability  
4 in 2005, 15 years into this development.

5 Really just as proton therapy began to gain  
6 steam I was a relative late comer -- late, late  
7 comer to the typology compared to Doctors Moyers,  
8 Yonemoto and Chang who were involved with Loma  
9 Linda in the 'nineties, the foundational years.

10 This is cutaway model of the center they  
11 built and managed at Loma Linda.

12 The next proton center -- next -- came online  
13 at Mass General Hospital in 2001, 11 years after  
14 the Loma Linda project had begun treating  
15 patients.

16 Next.

17 In 2006 two new centers came online, the  
18 first of my involvement. These used a round  
19 rotunda that was first used at MGH as kind of a  
20 design marker. All these facilities were three to  
21 four treatment rooms centers, this center at MD  
22 Anderson.

23 Next.

24 And this facility at the University of  
25 Florida, Jacksonville. Dr. Nancy Mendenhall

1 was -- was and is the medical director here.

2 Next.

3 Next was designing the UPenn center in  
4 Philadelphia with four treatment rooms and a  
5 research bay, one of the largest facilities in the  
6 world.

7 While we were building the UPenn facility we  
8 also did a prototype design for standalone  
9 proton therapy operator ProCure. Chris Chandler,  
10 CEO of Proton International was part of that  
11 organization. We built four centers and designed  
12 one for the Detroit market in that area before the  
13 2008 recession stopped more development.

14 Next.

15 After the recession we did, in fact, build a  
16 facility on that site using a new IBA compact  
17 system.

18 Next.

19 Before that last project in Detroit I founded  
20 our design firm SCI.X. This project in Flint,  
21 Michigan, was our first commission.

22 Next.

23 The last project I was in -- involved with  
24 the previous firm on this that was with a newly  
25 FDA approved Mevion compact proton therapy system

1 in St. Louis.

2 Next.

3 In our new firm SCI.X, we began to work more  
4 and more with the truly smaller Mevion system.  
5 This is a study of the three main systems in the  
6 market at the time, and it's very clear how much  
7 more compact the Mevion system is.

8 With Mevion we did a series of projects  
9 around the globe. Here is a two-room study that  
10 we did in Singapore.

11 Next in Malaysia. This facility anticipated  
12 a second room from the start. This is typical for  
13 Mevion systems. The first -- the first facility  
14 that was done that I pointed to earlier in  
15 St. Louis has recently completed their second  
16 room.

17 Here, next.

18 Here in Orlando, Florida, we conceptualized a  
19 second room. The second room had not been  
20 anticipated, but with the use of high-density  
21 shielding we were able to shoehorn it into the  
22 site.

23 Next.

24 This facility design was for a two-room  
25 center from the beginning.

1           Next.

2           Proton International is the developer for  
3 this potential project in Germany. Again, a  
4 Mevion project.

5           This Thailand site was extremely tight and  
6 could only be accomplished with the compact Mevion  
7 system.

8           Next.

9           I apologize for this rather dense graphic,  
10 especially at this scale, but in general the  
11 yellow blocks to hospitals are those outside the  
12 Hartford Yale health systems. That represents a  
13 patient bed population of about 3,739 in  
14 Connecticut; and an additional 3,677 is in New  
15 York in the three New York counties in our primary  
16 service area that also contain the three hospitals  
17 from the Connecticut health system Nuvance in --  
18 in New York, in those New York counties.

19           That totals a bed capacity of 7,416, which  
20 correlates obviously to the population in those  
21 areas. And -- and that obviously is significantly  
22 higher than the Hartford Yale bed count of 5,177,  
23 which you see on the map.

24           There are approximately in Connecticut 2,500  
25 patients per year that are primary candidates for

1 proton therapy. These, the two rooms that we're  
2 now considering can together only treat around 800  
3 per year and that's at 16-hour day operations in  
4 both facilities, far under the patient need for  
5 just Connecticut alone, not recognizing New York  
6 or New Hampshire, or Vermont or beyond.

7 Next.

8 This is a rendering of the Danbury project  
9 facility. This project is, as they say, shovel  
10 ready to go. From this angle it appears it's  
11 almost an non-building with its general footprint  
12 into the existing hillside.

13 Here it's a little more prominent from the  
14 southwest.

15 Next.

16 And next.

17 And here a view of the porte cochere, the  
18 entrance.

19 Next. And here the entrance with radiant  
20 paving which will be used to melt snow and  
21 minimize -- (inaudible).

22 THE HEARING OFFICER: So I think for some reason I  
23 think we lost the sound. Mr. Courtney, if you  
24 could just unmute yourself? For some reason we  
25 lost the sound.

1 THE WITNESS (Courtney): All set?

2 Next.

3 This is a cross-section of the treatment  
4 room. A second vault can be added to the left.  
5 Essentially we excavate all that dirt and add in a  
6 second room.

7 Next.

8 This is a treatment room entrance with its  
9 patient's customizable window view.

10 Next.

11 In the treatment room itself we use warm  
12 materials and a faux external window to take a bit  
13 of the bunker feel away from -- from the facility.

14 Next.

15 Okay. This is an important view, as  
16 50 percent of our patients will be treated in a  
17 second eight-hour shift. This makes for an  
18 efficient use of capital, and accommodates the day  
19 worker who can drop by for their 15 minutes of  
20 treatment before going home.

21 Next.

22 I'm seeing something else here.

23 My screen just got messed up. Can you hear  
24 me?

25 THE HEARING OFFICER: Yes, I can hear you.

1 THE WITNESS (Courtney): And you can see the next  
2 slide, healthcare sustainability?

3 THE HEARING OFFICER: That's healthcare sustainability,  
4 yes.

5 THE WITNESS (Courtney): Okay. Very good. Quality --  
6 quality patient care involves a complicated system  
7 of elements. Sustainable operation starts with  
8 the physical plant that considers the long view  
9 such as tapping geothermal energy on the site to  
10 heat and cool the building, even though the  
11 payback is seven to ten years at best.

12 No fossil fuel use except for emergency  
13 generation which helps the local air quality.

14 We close -- we -- we really work at close  
15 sourcing the proton therapy equipment and the  
16 building materials which minimizes the trucking  
17 and all the associated pollution that comes from  
18 that.

19 We do community responsible design by  
20 reducing the parking and the heat -- heat island  
21 effect that parking cause. We negotiated with the  
22 City a reduction in parking.

23 We build only what is needed. No grand or  
24 excess square footage in the facility, reducing  
25 our carbon footprint overall. We used a green

1 roof for plant and animal diversity, including  
2 pollinators, and again not mowing or -- or using  
3 power equipment to maintain that except for only  
4 two times a year.

5 We exceed the fresh air requirements for the  
6 occupants, way above what code requires, all the  
7 more understandable with the pandemic. We use low  
8 volatile organic compound materials, which is key  
9 for staff that live in this, this building for  
10 years. And not to forget our workers, it's an  
11 inclusive and safe worksite because their health  
12 is a concern of ours as well.

13 Looking forward to your questions and our  
14 next speaker is Dr. Moyers.

15 THE WITNESS (Moyers): (Inaudible.)

16 Oh, can you hear what I said?

17 MR. HARDY: Now we can, Dr. Moyers. Thank you.

18 THE WITNESS (Moyers): Oh, okay. I'll start over.

19 Good morning, Attorney Mitchell and OHS staff. My  
20 name is Michael Moyers, and I adopt my prefilled  
21 testimony.

22 Thank you for this opportunity to testify in  
23 support of the application of the Danbury Proton  
24 to establish a proton therapy center in Danbury.  
25 I'm a PhD Medical physicist that started working

1 in radiation therapy over 40 years ago in 1979.  
2 Since 1990 I have concentrated on various aspects  
3 of proton beam therapy while continuing to work  
4 with X-ray electron beams and implanted  
5 radioisotopes known as brachytherapy.

6 I've spent 15 years at Loma Linda University  
7 where I honed my skills in proton therapy, and  
8 then began teaching and helping other proton  
9 centers around the world get started. A copy of  
10 my curriculum vitae contains my experience in this  
11 field, and it's attached.

12 Since 2013 I've been a professor and Chairman  
13 of the Department of Medical Physics of the  
14 Shanghai Proton Mevion center, which consists of  
15 22 physicists, 24 therapists, 5  
16 information-technology engineers, 2 nurses, and 1  
17 administrator.

18 I'm on the board concerning patients in  
19 Connecticut as a medical physicist for Danbury  
20 Proton upon its approval.

21 Today I'd like to mainly address two topics.  
22 The -- the first topic is to provide some history  
23 of proton therapy. Proton therapy is often  
24 labeled as an emerging technology. For a  
25 technology to be classified as emerging it's

1 typically characterized by novelty, rapid growth,  
2 significant impact, and sometimes uncertainty and  
3 ambiguity. The label of emerging technology does  
4 not necessarily mean that it is new or improving.

5 In the case of proton therapy, the potential  
6 benefits of proton beams for radiation treatments  
7 were known by 1946. After various physics and  
8 animal experiments were performed, the first  
9 patient treatments with proton beams began in 1954  
10 in Berkeley, California.

11 The next facilities to begin treating  
12 patients with proton beams were in Uppsala,  
13 Sweden, in 1957; and in Boston, Massachusetts in  
14 1961. Many other facilities around the world then  
15 began their own research treatment programs, but  
16 the number of patients treated per day at each  
17 facility ranged from zero to a maximum of 12.

18 In 1990 the first hospital-based proton  
19 facility begin treating patients in Loma Linda  
20 California when I served as a physicist and  
21 assistant professor at the university medical  
22 center.

23 The equipment in this facility was approved  
24 by the FDA and treatments were reimbursed by  
25 Medicare. Within two years this clinical facility

1 was treating 50 patients per day. By 2003 the  
2 average number of patients being treated by this  
3 one facility in four treatment rooms was 150, with  
4 the maximum number of patients treated in one day  
5 being 173.

6 By the year 2000 proton therapy had  
7 transitioned from a research environment to  
8 routine clinical practice. Personally I became  
9 aware of the power of proton and other ion beams  
10 for treatment during 1979 while I was writing a  
11 term paper on heavy particle therapy for one of my  
12 classes for my master's degree.

13 After the paper was completed I was  
14 wondering why all patients receiving radiation  
15 treatments were not treated with ion beams, and  
16 then sought out a job where I could perform these  
17 types of treatments. I later discovered that the  
18 main reason protons are not used for more patient  
19 treatments was not lack of efficacy, but rather a  
20 lack of computing power.

21 Between 1979 when I learned of proton beam  
22 therapy and 1990 when I started working at the  
23 first clinical proton therapy facility three major  
24 events happened. All of these events involve  
25 computers. The first event was the availability

1 of fast computers with a large amount of memory to  
2 reconstruct the anatomy inside a patient using  
3 computed tomography, also known as CT. This is an  
4 essential task for taking advantage of the  
5 benefits afforded by proton beams, because without  
6 it the targets cannot be defined and critical  
7 vulnerable tissues cannot be avoided.

8 The second event was the development and  
9 implementation of three-dimensional treatment  
10 planning programs and interactive display monitors  
11 where different possible treatment scenarios could  
12 be simulated and compared.

13 The third event was control of the  
14 accelerators and beam transport lines by  
15 computers. Previously the beam parameters inside  
16 the accelerator and beam transport lines had to be  
17 adjusted manually before and during each patient  
18 treatment. This arduous task, referred to as  
19 tuning, meant that more time was spent preparing  
20 the beams than were used for treatment.

21 In addition, treatment sometimes had to be  
22 paused while changes were made, but with the  
23 advent of high-speed computers and local networks  
24 this preparation could be programmed to perform  
25 much faster than humans could react, thereby

1 increasing the efficiency of facilities.

2 Next slide.

3 The second topic I'd like to address today is  
4 startup consideration. Be certain starting any  
5 new radiation facility is a significant  
6 undertaking, especially for one that utilizes a  
7 beam of protons. On the other hand, steady  
8 developments in technology together with standards  
9 in educational resources created for the dramatic  
10 upward trend in demand for proton therapy make the  
11 establishment of today's proton therapy centers  
12 more readily achievable than ever before.

13 In particular, there are a number of  
14 guidelines and standards that have been produced  
15 to help launch new facilities, standards for  
16 manufacturers concerning equipment safety  
17 requirements have been produced by the  
18 international record technical commission.

19 Guidelines for mastering dose have been  
20 produced by the International Commission on  
21 Radiation Units and Measurements.

22 Recommendations for commissioning facilities  
23 accounting for uncertainties in treatment planning  
24 and delivery and performing quality assurance have  
25 been produced by the American Association of

1           Physicist Medicine.

2                   Standards for transferring information  
3 between various computers and equipment have been  
4 produced by the Digital Information Communications  
5 and Medicine Working Group.

6                   And recommendations for staff training and  
7 facility credentialing have been produced jointly  
8 by the American College of Radiology and American  
9 Association of Physicists in Medicine.

10                   In addition, the book entitled, Practical  
11 Implementation of Light Ion Teletherapy, which I  
12 also co-authored, details many procedures needed  
13 to plan, start and operate a proton facility.  
14 These standards, guidelines and recommendations  
15 are all readily available to ensure safe and  
16 accurate treatments for patients in Connecticut.

17                   Next slide.

18                   Although proton therapy will be new to the  
19 state of Cali -- state of Connecticut, it's  
20 relatively late introduction will allow the State  
21 to realize the benefits of previous advancements  
22 in proton equipment technology as well as  
23 treatment planning types.

24                   In the future research and development in  
25 areas such as ultrahigh dose rate rotational

1 delivery may further optimize patient treatments.  
2 This research and development applies, not only to  
3 beam delivery and the symmetry equipment, but also  
4 the clinical trials of patients.

5 We also anticipate further development of  
6 treatment planning capability that could be  
7 optimized using Danbury Proton as a test bed.  
8 With Connecticut's high demand for cancer  
9 radiation treatment within its patient population,  
10 its first-rate medical practitioners and  
11 institutions, the State may serve a very valuable  
12 role in helping develop these advanced treatment  
13 techniques.

14 Next slide.

15 I'll thank you again for considering the use  
16 of this technology for the patients in Connecticut  
17 and the surrounding areas. If you have any  
18 technical questions, please do not hesitate to ask  
19 me at any time. Thanks.

20 MR. HARDY: Thank you, Dr. Moyers.

21 Our next witness is Dr. Lionel Boucher.

22 THE WITNESS (Boucher): Good morning, Attorney Mitchell  
23 and OHA. I adopt my prefiled testimony.

24 My name is Lionel Boucher. I'm the Vice  
25 President of Technical and Clinical Fellowship at

1 Mevion Medical Systems. I'm also a PhD physicist  
2 and I've been involved in Mevion compact proton  
3 therapy systems for the past 15 years.

4 Mevion is -- was established in 2004.

5 Next slide.

6 And is located in New England just outside  
7 Boston. This, the company was founded from a  
8 group from MGH and the Harvard proton centers that  
9 believe that proton therapy should be much more  
10 closer to conventional photon therapy.

11 We are the inventors of compact proton  
12 therapy. We cleared our system through the FDA in  
13 2012 and we were clinical in 2013.

14 Next slide.

15 Our vision continues to be to  
16 provide superior proton therapy to as many cancer  
17 patients as possible, and that's an important  
18 vision that drives all of the work that we do in  
19 our company.

20 Next.

21 Mevion's background is very simply, we are a  
22 single focus, single passion, proton therapy. A  
23 lot of our employers in New England -- a lot of  
24 our employees in New England -- actually staff had  
25 interaction with proton therapy. They had to have

1 patients in the family receive proton therapy, so  
2 this passion for us is very important.

3 Next slide.

4 The market has been completely transferred  
5 through this invention of compact proton therapy  
6 where proton therapy used to be a large football  
7 field sized facility with high capital and  
8 operational costs and generally poor and difficult  
9 financial performance.

10 Compact proton therapy today is much more  
11 similar to conventional radiation therapy. With  
12 project deployment and operational costs that are  
13 similar to conventional radiation therapy, and  
14 that are a successful financial performance.

15 Next slide.

16 The market, as you saw from earlier  
17 testimony, the market of proton therapy in the USA  
18 is growing rapidly. The access is growing rapidly  
19 with about 41 in all proton centers clinical  
20 today, and 21 centers under active development.

21 Next slide.

22 What is very interesting, in 2020 we have  
23 seen more single-room proton centers either under  
24 development or clinical, than the large proton  
25 centers. So this compact proton therapy has truly

1 transformed the proton therapy market.

2 Next slide.

3 And what is remarkable about these compact  
4 proton therapy centers is they are all clinical  
5 and financial success. Proton therapy is always a  
6 clinical success, but with this compact access  
7 it's also a financial success.

8 Next slide.

9 Proton therapy is becoming the expected tool  
10 of leading centers for radiation therapy through  
11 guideline -- the National Comprehensive Cancer  
12 Network is continuing to increase the use of  
13 proton therapy and the ASTRO also, which is  
14 radiation oncology associations, and also the  
15 proton guideline that increases all this access.

16 Next slide.

17 What makes this compact Mevion proton therapy  
18 different is this right size and right technology.  
19 This is the lower capital and productional cost  
20 than the large proton centers. This is a smaller  
21 footprint which provides opportunity to integrate  
22 with an existing radiation oncology.

23 This also provides a higher footprint. As  
24 Mr. Courtney mentioned, this ability to operate  
25 14, 15, 16 hours as the demand increase, the

1 higher beam activity -- beam ability, and this  
2 next generation intensity moderated proton therapy  
3 which also increase the amplification that proton  
4 therapy can be used for.

5 Next slide.

6 The compact proton therapy comes from a  
7 miniaturization of technology and we are followed;  
8 we are all experiencing today this miniaturization  
9 of technology just through the cellphone that we  
10 all have with us. Similarly -- next slide.

11 Proton accelerators have also been  
12 miniaturized. The miniaturization is with  
13 (unintelligible). We started with 250-ton  
14 accelerators at the office proton centers in  
15 Boston. And today we have proton accelerators  
16 with similar capabilities of about 15 ton.

17 Next slide.

18 We have smaller accelerators. We are able to  
19 integrate it into one single room. This is the  
20 enabling of compact proton therapy. This ability  
21 to miniaturize and take the proton accelerator  
22 technology and integrate everything into one  
23 single room.

24 Next slide.

25 Which our environment -- which our

1 environment is very similar to conventional  
2 radiation therapy. So although you have this  
3 complex technology carved in the wall, the  
4 clinical space is very similar to conventional  
5 radiation therapy.

6 Next slide.

7 The same time this intensity modulated proton  
8 therapy, which is not the standard of care in  
9 proton therapy, is increasing the -- the use of  
10 proton therapy for other applications, for  
11 multiple applications. This is a technique that  
12 corresponds to printing the dose that's necessary  
13 to treat the tumors that is now widely used  
14 through all the proton centers.

15 Next slide.

16 Similarly this image guidance which is the  
17 standard of care in radiation therapy is also the  
18 standard of care in proton therapy such that the  
19 tumors and the radiation can be very precisely  
20 located, and the precise proton treatment can be  
21 delivered.

22 Next slide.

23 So compact proton therapy, and more  
24 specifically, Mevion proton therapy is used by  
25 leading institutions. And this is just a few

1 examples of the Mevion proton centers in the U.S.  
2 that are -- and some of them international, that  
3 are both clinical and also under development.

4 Remarkably a lot of the NCI comprehensive  
5 cancer centers are adding proton therapy to -- in  
6 their (unintelligible), not only NCI comprehensive  
7 cancer centers, but also smaller community  
8 hospital. An example, in Mercy Hospital in  
9 St. Louis next to Barnes-Jewish Hospital, which  
10 is an NCI comprehensive cancer center. They want  
11 to provide proton therapy to their patients,  
12 provide this access, and as such they are now  
13 offering proton therapy services.

14 I want to thank you for the time here in  
15 testifying for -- in support of the Danbury Proton  
16 Centers and would welcome any questions.

17 Thank you.

18 MR. HARDY: Thank you.

19 Our next witness is Mr. Drew Crandall.

20 THE WITNESS (Crandall): Good morning, Attorney  
21 Mitchell and OHS staff. My name is Drew Crandall  
22 and I adopt my prefilled testimony.

23 I am the community engagement director at  
24 Danbury Proton. I have deep family and community  
25 and professional roots in Connecticut. My family

1 has been in Connecticut since the 1600s. Prudence  
2 Crandall, on the left of your screen, is the  
3 official state heroine for her courageous stand  
4 against racism and slavery in the 1830s. I'm not  
5 a direct descendent, but I'm part of the same  
6 family. I participated in the grand opening of  
7 the Prudence Crandall museum in Canterbury in  
8 1984, and have been the family spokesperson at  
9 many Prudence-related events ever since.

10 My father Robert grew up in West Haven and  
11 enlisted in the U.S. Navy Submarine Service  
12 immediately after Pearl Harbor. During World War  
13 II he served on the USS Baya, a diesel submarine  
14 made by Electric Boat, in Groton.

15 On the bottom center of your screen there;  
16 I've always had an acute interest in health care  
17 because I'm one of Bridgeport Hospital's miracle  
18 primi babies. I had about a 1 percent likelihood  
19 at birth of living and being healthy.

20 During my high school years I lived in the  
21 Weatogue section of Simsbury. While at UConn in  
22 Storrs I played drums in the basketball pep  
23 band -- and all I can say about the women's team  
24 is, go Huskies.

25 I served in the First Company Governor's Foot

1 Guard part of the Connecticut State Militia for  
2 six years. Professionally I have decades of  
3 experience helping Connecticut healthcare systems,  
4 hospitals, urgent care centers, practitioners and  
5 healthcare related nonprofits with their media  
6 relations and community affairs.

7 Several years ago my firm received a national  
8 award from the American Cancer Society for a  
9 grassroots community based campaign that we  
10 developed.

11 Next slide, please.

12 I serve on the core leadership team of  
13 Danbury Proton. Over the past 40 years I've  
14 served on many boards including the Better  
15 Business Bureau of Connecticut, where I served as  
16 chair for two years.

17 In my experience the Danbury Proton team is  
18 exceptional. Each of us has our areas of  
19 expertise and experience, and we work together  
20 extremely well. Since the beginning our team has  
21 had a passion to make a positive difference for  
22 both health care and economic perspectives. Local  
23 and state businesses are being engaged, and that  
24 will continue and increase should OHS choose to  
25 approve our CON application.

1           Next slide.

2           That shows our -- our Connecticut focus,  
3           which has been delivered from the beginning.

4           Next slide.

5           Over the past year the response has been  
6           positive. As a matter of fact, the enthusiasm for  
7           this project is very high.

8           Next slide.

9           I studied 25 letters of support that we  
10          received from men across the Northeast who had  
11          prostate cancer and chose proton therapy. These  
12          men traveled an average of 1,343 miles each way to  
13          have proton therapy. To me this speaks volumes  
14          about access.

15          Can you imagine having to travel an average  
16          of 1,343 miles each way to have cancer surgery or  
17          chemotherapy? Or for that matter, traditional  
18          X-ray radiation?

19          Next slide, please.

20          Here are some of the comments about the  
21          quality of the therapy and the prospect of having  
22          a proton therapy center in Danbury from these 25  
23          men.

24          Proton therapy was the best medical decision  
25          of my life. I am pleased that you are planning a

1 proton therapy center in Danbury.

2 I have nothing but complete confidence in the  
3 efficacy of proton radiation. I am happy to help  
4 in any way to see Danbury Proton become a reality.

5 I'm a living example of the fact that proton  
6 therapy works and preserves the quality of your  
7 life. It is the least invasive of all treatments.

8 While waiting for proton therapy each day I  
9 encountered many parents and their young children  
10 who had brain cancer. They were getting the  
11 proton therapy because of proton's precise  
12 non-damaging beam for spots as delicate as the  
13 brain.

14 Please rush the opening of Danbury Proton to  
15 give people who live close by the opportunity to  
16 save their lives with less side effects than other  
17 treatments, as there were no proton facilities in  
18 Connecticut at the time I had to travel  
19 3,000 miles from home.

20 Connecticut needs such as center. I would  
21 much preferred to have stayed local with my family  
22 for this treatment, and there are thousands of men  
23 in the tri-state area who would not be so  
24 fortunate as me. Good luck with Danbury Proton.

25 I understand that a proton therapy treatment

1 center is being planned for Danbury. This would  
2 be great for the people of the surrounding area.  
3 I went through proton treatment in Boston. Having  
4 a center in Danbury would have meant an hour  
5 commute with very little cost, and I would not  
6 have had to give up my support folks. I hope that  
7 Danbury moves forward with proton radiation.

8 I am originally from the Litchfield area and  
9 look forward to visiting the new proton treatment  
10 center in Danbury. If you choose proton beam  
11 therapy you can relax knowing that you have made  
12 the correct choice.

13 I hope the residents of Connecticut and  
14 nearby states have the opportunity that I had to  
15 choose proton therapy to treat their cancer  
16 conditions. The number one hurdle preventing  
17 proton therapy for most patients is the distance a  
18 patient must travel to get therapy.

19 A proton center in Connecticut would be a  
20 huge benefit to the residents of Connecticut and  
21 also in nearby Westchester and Putnam Counties.  
22 It would be an outstanding addition to life in  
23 Connecticut.

24 It's too bad that New England has only one  
25 treatment unit at Massachusetts General Hospital.

1 I do not regret going to Houston, but if we had a  
2 center nearby it would have been great.

3 Next slide, please.

4 We have received over the past year what --  
5 what I would describe to be a 360-degree circle of  
6 support. From witnesses you can tell, public  
7 comments, letters, media coverage, local and state  
8 government officials, community and business  
9 groups, healthcare providers, potential employees,  
10 existing and potential suppliers; and here are  
11 just some snippets of some of the feedback we've  
12 received.

13 Nidia From Danbury said, we hope to be part  
14 of this wonderful much-needed facility.

15 Lara from Danbury said, I am interested in  
16 employment. I have been a radiation therapist for  
17 22 years.

18 Alex from Danbury said, hi. Very exciting  
19 news that this facility is coming to Danbury.

20 Susan from Sandy Hook said, this looks very  
21 exciting. Would love to learn more. I've been  
22 working in healthcare for almost 15 years.

23 Ilene from Danbury said, this is amazing and  
24 so much better for people to preserve the good.

25 Robert from Danbury said, welcome to the

1 neighborhood. We would love to talk to you about  
2 ways we can partner together.

3 Michael from Brookfield said, I would love an  
4 opportunity to earn your business.

5 Joyce from New Milford said, I'm interested  
6 in staying updated as a possible employee at your  
7 organization.

8 Miranda from Danbury said, I hope your  
9 certificate of need application gets approved. I  
10 think your facility would be great for the area  
11 and bring lots of jobs.

12 Jessica from Danbury said, we look forward to  
13 seeing this project unfold and we are excited that  
14 proton therapy is coming to local cancer patients.

15 Next slide.

16 This past year we didn't let the coronavirus  
17 discourage us or slow us down. We have a good and  
18 noble mission, and we are looking forward to  
19 filling it should OHS say yes to our CON  
20 application. Thank you for this opportunity to  
21 share today.

22 MR. HARDY: Thank you, Mr. Crandall.

23 Our next witness is Dr. Andrew Chang.

24 THE WITNESS (Chang): Hi. Good morning and thank you  
25 for giving me the opportunity to share, Attorney

1 Mitchell and Board. My name is Andrew Chang, and  
2 I am a radiation oncologist and I adopt my  
3 prefiled testimony.

4 So I was asked to share a little bit about my  
5 experiences as a radiation oncologist in the world  
6 of proton therapy. I've been involved in proton  
7 therapy since I was at Loma Linda a little over 20  
8 years ago where I worked with several of the  
9 individuals who initially started the proton  
10 center, including Doctors Yonemoto and Meyers who  
11 are on the -- Moyers who are on the call today.

12 My particular area of research and training  
13 has been focused on two areas that we are seeing  
14 utilization of proton therapy. The first is in  
15 the pediatric population.

16 This was a study I published amongst the --  
17 for our pediatric radiation oncologists throughout  
18 the country where we were starting to see the  
19 growth of proton therapy in the early 2010s.

20 I remember 20 years ago when having a  
21 conversation with Dr. Yonemoto about proton  
22 therapy there were two in the country, and when I  
23 was interviewing for jobs at the time I remember  
24 some advice he gave me of saying, you know, don't  
25 talk about proton therapy. Other places don't

1 really want to hear about it because everybody  
2 thinks it's only for a very limited number of  
3 patient populations.

4 Well, we've certainly seen that change over  
5 the last one or two decades, as Steve Courtney  
6 showed earlier, because between just about 2000  
7 and the 2010 period there was growth from two  
8 centers in the United States to ten centers, and  
9 continuing growth beyond that for the next decade  
10 of tripling to 30 centers.

11 Part of the reason why is we started seeing a  
12 lot of the benefits of proton therapy that were  
13 only hypothesized come to fruition. And so one of  
14 the areas where we saw a large growth and a quick  
15 adaptation of proton therapy was the use of  
16 treatment for pediatric tumors.

17 Pediatric tumors are one of the areas because  
18 primarily the pediatric body is very sensitive to  
19 radiation therapy, in particular the side effects  
20 that radiation causes. And so as we get better  
21 and better at curing cancer the mentality in the  
22 United States has shifted and only -- away from  
23 cure at all costs, to cure while preserving high  
24 quality of life. Proton therapy is one of the  
25 tools that is -- is very crucial to being able to

1 do that indeed.

2 This paper was one where between 2010 to 2013  
3 there was ten centers -- or sorry, eleven proton  
4 therapy centers that were treating pediatric  
5 patients at the time. And in just that four-year  
6 period we saw a growth from 465 patients in 2010  
7 to 722 patients in 2013, to over close to a  
8 thousand patients in 2014.

9 Since then we've updated the paper, but it  
10 was hard to do a comparison directly because in  
11 the next five years that we published the update  
12 the numbers of centers have more than doubled, but  
13 certainly the number of pediatric patients have  
14 increased dramatically.

15 During this time period as well we started  
16 seeing quite a bit of patients that are coming  
17 from outside the United States, to us in the  
18 United States for proton therapy. Part of the  
19 reason is in planning a center, the amount of time  
20 it takes for construction, planning and  
21 development is on average anywhere from five to  
22 eight years. Because many of the benefits were  
23 far away from patients in outside counties many of  
24 those patients were then being sent to the United  
25 States for proton therapy treatment.

1           Just by itself, when I started asking this  
2 question in 2012 and 2013 it was 19 and 22 percent  
3 of the pediatric patients treated in the United  
4 States were coming from outside the United States.  
5 That number has held steady through the next  
6 decade of about 25 percent.

7           One of the big drivers of this was from the  
8 United Kingdom where patients -- where the NHS  
9 were sending approximately 120 patients to the  
10 United States every year for proton therapy, of  
11 which I treated about half, and another half went  
12 to a different center.

13           Next slide, please.

14           So this is kind of the poster child of why  
15 patients and physicians recommend proton therapy.  
16 This is an example of a ten-year-old girl -- it  
17 was about 15 years ago, with a tumor called a  
18 medulloblastoma where the cancer cells get into  
19 the fluid that goes from the brain into the spine.

20           And so to treat these patients -- and they  
21 have a very good rate of cure -- we have to give  
22 radiation to the entirety of the fluid in the  
23 brain and spine.

24           The colors that you're seeing are an  
25 equivalent idea of where the radiation is going.

1 On the left is how we treated patients with a  
2 medulloblastoma with standard radiation, X-ray  
3 radiation for the last seven decades. With the  
4 advent of proton therapy being able to be used  
5 though what you're seeing on the right; we can  
6 stop the radiation to just the area of the fluid  
7 that needs that radiation.

8 And so on the right there you can see what  
9 this does is stop the radiation from going to the  
10 normal structures that don't need radiation such  
11 as the heart. And in these cases these children,  
12 if they survive their cancers they get heart  
13 attacks in their twenties and thirties. So being  
14 able to eliminate that is of great importance for,  
15 not only for the quality of life, but the survival  
16 for these patients.

17 Likewise, just for quality of life as well,  
18 being able to avoid her bowels meant that she did  
19 not get the nausea during the radiation. Being  
20 able to avoid her thyroid and her breast tissue  
21 means that she's not at increased risk of thyroid  
22 and breast cancer 20 years down the line.

23 Likewise, being able to stay off of her  
24 ovaries meant that I was able to preserve her  
25 ability to have children in the future, whereas

1 with X-ray radiation that was not something we  
2 typically thought about. For that reason most of  
3 these children with these tumors now, if having  
4 proton therapy available, they are able or  
5 recommended to get it.

6 As some of the others have mentioned, one of  
7 the greatest downsides of protons, though, is the  
8 access to that technology. For this particular  
9 tumor the reason I showed this is this is a tumor  
10 where we know we need to start radiation within 30  
11 days after surgery. And it's very unfortunate  
12 that a lot of times I would get calls from these  
13 patients' families. They've had surgery a week  
14 ago, two weeks. They're just being hit with this  
15 diagnosis of cancer and a brain tumor. When they  
16 start doing their research and say, yes, we would  
17 like to get proton therapy.

18 But then to be able to travel and transplant  
19 a family for two months while a child is sick and  
20 start radiation within that 30-day period is very,  
21 very difficult. And so having centers that are  
22 spread throughout -- throughout the regions where  
23 cancer is occurring makes it much more feasible  
24 that these children will be able to get access to  
25 a technology they otherwise cannot get.

1           Next slide, please.

2           This is another one, a pair of patients that  
3 were actually treated a colleague -- by a  
4 colleague of mine at a center that had very  
5 similar tumors. On the bottom left there's a  
6 tumor -- and right next to the kidney. And you  
7 can see the kidney that's drawn out in the white  
8 there.

9           One patient was treated at the beginning of  
10 the year just before he has got his proton therapy  
11 center, which was under construction -- available  
12 and needed radiation. So they treated with X-ray  
13 radiation. And the other patient, a very  
14 similar -- again, 16-year-old at the end of the  
15 year happened to have the diagnosis in a very  
16 similar location and was able to use proton  
17 therapy to treat that tumor.

18           One of the things that was very interesting  
19 about this is we often think about the side  
20 effects from radiation exposure as something that  
21 occurs many years or -- or decades afterwards, but  
22 in this particular patient you can start seeing  
23 the actual effects of radiation, unnecessary  
24 extraneous radiation on the normal tissues very  
25 shortly after.

1           If you go to the next slide we have CT scans  
2 of this patient twelve months after radiation,  
3 from each one. You can see on the top left  
4 picture the tumor with an arrow pointing to it.  
5 And then just above and to the side that white  
6 circle is the kidney.

7           Twelve months later, you go down to the  
8 picture on the bottom left you can see that kidney  
9 is shrunken and shriveled up as compared to the  
10 kidney on the patient's other side, again that  
11 circle.

12           Whereas as with the patient that received  
13 proton therapy, the right-hand pictures, the  
14 kidney again is about normal at the start of  
15 treatment. At the end of treatment it is shrunken  
16 a little bit, but substantially larger and still  
17 functional as compared to the patient that got  
18 x-ray radiation.

19           Well, what this patient -- now he's six years  
20 after these treatment -- both of these  
21 patients are six and six and a half years after  
22 treatment -- are seeing is that kidney function of  
23 the patient that got the IMRT X-ray radiation is  
24 severely compromised such that now he's going to  
25 be on medications to control his renal

1 hypertension, or high blood pressure from that  
2 kidney damage for the rest of his life. And when  
3 one thinks about what can be done to prevent that  
4 with the use of a separate technology, the -- the  
5 possibilities are -- are great in being able to  
6 prevent future illnesses that come up.

7 The next slide shows one of the areas that  
8 we're seeing growth of proton therapy. I know  
9 when I was at Loma Linda we had a lot of patients  
10 that we treated with prostate cancer, and I  
11 remember getting patients occasionally coming back  
12 for followup and the wives would ask, hey, I've  
13 gotten diagnosed with breast cancer now. My  
14 husband got prostate cancer. Can you not treat my  
15 breast cancer with proton therapy?

16 And unfortunately for the many years at first  
17 our answer was always no because of a simple  
18 difficulty of our machine at that time was only  
19 able to treat a limited size of radiation,  
20 something about this size. That was unable to  
21 treat the entirety of the breast for breast  
22 cancer.

23 Well, with the growth in proton therapy as  
24 well as the evolving technology that has made it a  
25 much more feasible on a larger size, we started

1 realizing, yes, these women with breast cancer  
2 especially women with left-sided breast cancer is  
3 something that can benefit greatly from the use of  
4 proton therapy.

5 And an example why is the picture I've got  
6 here. We're showing a patient on the left getting  
7 treated with x-ray. And as you can see, it's  
8 going across the chest and the lungs, but the  
9 important part is that circular structure right  
10 behind the left breast is the heart, and the most  
11 critical part of the heart that is exposed to  
12 radiation is the artery that runs right in the  
13 front of it is called the anterior descending  
14 artery. That is the one that is involved in the  
15 majority of heart attacks.

16 And that's exactly why women who have breast  
17 cancer, especially left-sided breast cancer that  
18 get treated and have a good outcome and survival  
19 of their cancers develop heart attacks at a much  
20 higher rate than the general population just  
21 because of that exposure of radiation to that one  
22 artery that sits in front for breast cancer.

23 Well, with proton therapy what we've been  
24 able to start doing is carving that radiation  
25 around that heart, and in essence we do see the

1 rate and the risk of heart attacks and heart  
2 disease in these women to that of the baseline  
3 community, that is those who did not get  
4 radiation.

5 Other ways we're looking at doing this is  
6 treating only the area where the cancer was,  
7 rather than the entirety of the breast. A lot of  
8 our research now in proton therapy is, in addition  
9 to the pediatric population, the breast cancer  
10 population.

11 This growth in utilization and the  
12 realization of the benefits of sparing of the  
13 heart is such that between 2017 and 2018 there was  
14 a sevenfold increase in the number of women with  
15 breast cancer treated with proton therapy. That  
16 is only going to continue to grow as more and more  
17 centers become available and this -- this  
18 technology becomes accessible for women with their  
19 breast cancer and being able to stay off of that.

20 So that my ends my testimony in kind of  
21 sharing on the clinical side what it is that I see  
22 in the growth of proton therapy, not only what we  
23 can do now, but where we're going to be in five  
24 and ten years from now.

25 I thank the committee for giving me this

1 opportunity to share. Thank you.

2 MR. HARDY: Thank you, Dr. Chang.

3 Our next witness is Dr. Deborah Hickey.

4 THE WITNESS (Hickey): Good morning, Attorney Mitchell  
5 and OHS staff. I am Deb Hickey, and I adopt my  
6 prefiled testimony.

7 I am the Director of Operations for the  
8 Brotherhood of the Balloon running the day-to-day  
9 processes of our 10,000 member organization  
10 consisting of men who have all had proton therapy  
11 for prostate cancer. We have members from all 50  
12 U.S. states and 39 countries. They represent all  
13 operating proton centers in the U.S., as well as  
14 four in Europe and Asia.

15 The Brotherhood of the Balloon, also known as  
16 the BOB, allows former and current prostate cancer  
17 proton patients to share information, learn from  
18 each other, ask questions and receive from us the  
19 latest information on prostate cancer, proton  
20 therapy, the healing process, preventing a  
21 recurrence, and much more through our 20-plus page  
22 monthly newsletter.

23 Many of our members actively promote proton  
24 therapy in many ways and are willing to share  
25 their personal experiences of treatment. In fact,

1 we have nearly 54 of our proton patient reference  
2 lists with the names and contact information for  
3 hundreds of our members who volunteer to speak  
4 with newly diagnosed men and their family members  
5 about their personal experiences of treatment and  
6 life after treatment.

7 Our members are enormously enthusiastic about  
8 their experiences and typically jump at the chance  
9 to spread the word. In fact, I think Drew may  
10 have quoted a few of them earlier. One of our  
11 members once said, proton therapy is the only  
12 cancer treatment with a fan club.

13 The advantages of proton therapy over  
14 conventional radiation are well established and  
15 have been experienced firsthand by thousands and  
16 thousands of our members. In my prefiled  
17 testimony I focused on the overall cost  
18 effectiveness of proton and the critical  
19 importance of considering initial cost versus  
20 total cost of treatments for prostate cancer.

21 I mentioned in my testimony that the initial  
22 cost to treat prostate cancer with protons is --  
23 is higher than IMRT, however this doesn't capture  
24 the total cost to private insurers and Medicare of  
25 treating with other forms of treatment.

1           In focusing on IMRT if you consider follow-up  
2 costs and hospitalizations for treating higher  
3 levels of impotence, rectal issues, incontinence  
4 and other side effects that are more prevalent  
5 with IMRT due to healthy tissue being exposed to  
6 radiation, as well as the cost of diapers for  
7 incontinence, ED meds for impotence and  
8 over-the-counter medications for pain and  
9 discomfort, those costs add up. As such when you  
10 compare overall costs from proton versus IMRT,  
11 proton becomes comparable and often less costly  
12 when you consider total cost.

13           Here's an example. Our founder Bob Marckini  
14 is my father. He founded the BOB after he was  
15 treated with proton therapy for his prostate  
16 cancer back in 2000. That was more than 20 years  
17 ago, and hasn't seen his urologist since then, and  
18 that is not uncommon among our membership.

19           Finally the cost of proton therapy is coming  
20 down as there are advances being made through the  
21 use of hypofractionation which cuts the treatment  
22 time in half by treating patients with higher  
23 daily doses in fewer fractions, and the results  
24 from trials have been extremely positive.

25           And it's likely that hypofractionation will

1           become the standard treatment protocol in the near  
2           future. That means initial costs for proton will  
3           be comparable to IMRT and total costs will be  
4           less. When these perspectives are considered it's  
5           not entirely accurate to characterize proton  
6           therapy as being significantly more expensive than  
7           IMRT.

8           In fact, the collective and extensive  
9           experience of our group and several thousand  
10          former prostate cancer proton patients suggests  
11          that proton therapy costs more initially, however  
12          following treatment most proton patients require  
13          zero follow-up medical attention, thereby  
14          incurring zero additional medical costs.

15          Thank you.

16   MR. HARDY: Thank you, Ms. Hickey.

17          Our next witness is Mr. Donald Melson.

18   THE WITNESS (Melson): Good morning, Attorney Mitchell  
19          and OHS staff. My name Don Melson, and I'm the  
20          Finance Director of Danbury Proton. Having been  
21          born and raised in Connecticut I'm pleased to be  
22          here today to discuss the cost benefits of the  
23          Danbury Proton -- that Danbury Proton will bring  
24          to Connecticut residents as well as the financial  
25          viability of the center.

1 I adopt my prefiled testimony.

2 As background for the last 30 years I've held  
3 senior financial roles in well-known life science,  
4 biotech and medical technology companies in the  
5 Boston area. Prior to my current role, I was the  
6 Chief Financial Officer of Mevion Medical Systems  
7 between 2013 and 2018.

8 In my role as CFO I was exposed to all  
9 aspects of the company's technology, competition,  
10 customers as well as the economic outcomes of  
11 those customers. After leaving Mevion I joined  
12 Danbury Proton as I viewed the business was poised  
13 for success due to the favorable site  
14 demographics, single-room design and a  
15 particularly strong management team.

16 I will now turn my attention to the cost  
17 effectiveness of proton radiation, my first slide.

18 And as you heard, proton radiation's major  
19 benefit versus photon or x-ray radiation is that  
20 it minimizes the secondary effects of radiation  
21 dose on healthy tissue while effectively radiating  
22 the tumor. Though the initial costs of photon  
23 treatment may be less than the current costs of  
24 proton radiation, the long-term, total long-term  
25 costs of photon radiation, including subsequent

1 treatment and care, loss due to income/workplace  
2 contribution, not to mention patient suffering can  
3 exceed the cost of protons.

4 Another benefit of proton's lower radiation  
5 impact is that radiation dose intensity can be  
6 increased in the tumor versus that of photons.  
7 Also called hypofractionation, this evolving  
8 technique opens the door to fewer treatments,  
9 hence lower costs and a shorter, less intrusive  
10 treatment period.

11 Finally, single-room proton systems are the  
12 most efficient and risk reduced method to build  
13 proton radiation capacity within the state. Early  
14 proton centers were very large, expensive  
15 multi-room centers costing in excess of \$200  
16 million. Because of the size and cost such  
17 centers were frequently underutilized contributing  
18 to financial instability.

19 Alternatively, multiple single-room centers  
20 are less expensive and can be situated near the  
21 local populations they serve. Single-room centers  
22 can also be scaled up as demand grows by adding  
23 another room. The benefit of this is matching  
24 cost to demand.

25 Moving to my next slide I will address the

1 financial feasibility of Danbury Proton center.  
2 As with most enterprises, a significant key to a  
3 successful business venture is location.  
4 Danbury Proton's proposed facility provides  
5 convenient access to Connecticut residents in the  
6 heavily populated southwest region of the state.  
7 In fact, the population density within 25 miles of  
8 the facility is just over a million people,  
9 including 98 percent of the population of  
10 Fairfield County.

11 Increasing that radius to 30 miles are five  
12 of Connecticut's top ten most populated cities.  
13 If you increase the radius even further to  
14 50 miles, the population expands to over  
15 17 million. Given the high density pop -- high  
16 population density, the expected incidents of  
17 proton radiation candidates and the scarcity of  
18 local proton radiation centers, Danbury Proton  
19 expects that it will have more than sufficient  
20 demand in it's primary service area.

21 Successful reimbursement is the second driver  
22 of financial success. Danbury Proton expects  
23 approximately 52 percent of its patients will be  
24 covered under Medicare, Medicaid or TRICARE,  
25 38 percent will be covered under commercial

1 insurance programs, and 10 percent will be private  
2 payers.

3 While Medicare has generally covered proton  
4 radiation since its FDA approval in 1988,  
5 commercial insurance plans have varied in their  
6 coverage while insurers are now increasingly  
7 covering the cost. Commercial insurance coverage  
8 has been supported by high profile lawsuits as  
9 well as certain state legislatures that have  
10 passed laws that encourage coverage by insurance  
11 carriers.

12 The efficient use of capital and operating  
13 resources is the third driver of success. As  
14 mentioned, single-room systems are  
15 efficient through their low relative cost and  
16 scalability, however the size of the single-room  
17 facility also matters. Danbury Proton's Mevion  
18 facility has the smallest footprint in the  
19 industry, and therefore the lowest cost of  
20 construction. Mevion's systems are also known for  
21 their efficient usage of utilities and other  
22 overall operating costs.

23 In summary, proton radiation is a highly cost  
24 efficient therapy and, in my opinion, the Danbury  
25 Proton proposal has a high probability of

1 financial success. I urge the Office of Health  
2 Strategy to approve this project.

3 MR. HARDY: Thank you, Mr. Melson.

4 Our next witness is Mr. Steve Coma.

5 THE WITNESS (Coma): Good morning, Attorney Mitchell  
6 and OHA staff. My name is Steve Coma. I'm with  
7 Hilltop Securities, and I adopt my prefiled  
8 testimony.

9 Don has had, you know, a number of the points  
10 in terms of financial feasibility. My job is to  
11 raise the financing to build and initially operate  
12 the project. Similar to what Don had expressed,  
13 one of the ways that we want to accomplish that  
14 with the market is that we're going to use tax  
15 exempt financing that we will market to  
16 third-party investors, as there is precedent for  
17 that in the market.

18 A number of facilities have been financed  
19 that way, and from a marketing perspective we need  
20 to do several things -- one, demonstrate that we  
21 have a strong team.

22 You've heard from a number of the project  
23 participants already. We've done the same thing  
24 on the finance side, putting on our team folks  
25 that have a tremendous experience in this area

1 already. Just to highlight a couple, Orrick  
2 Herrington will be bond counsel. They are the  
3 largest bond counsel firm in the country and have  
4 financed a number of these projects.

5 Mevion, you've heard from. Butler Snow,  
6 actually the attorney that we're working is -- is  
7 a proton therapy, you know, patient or user and a  
8 strong advocate for the project.

9 Dave, next slide.

10 As Don had highlighted, you know, we will  
11 market to investors, you know, in a similar  
12 fashion about the financial feasibility that Don  
13 had mentioned; the things that we like and the  
14 things that we'll highlight with investors.  
15 Obviously Connecticut with the dense population,  
16 single-room therapy is extremely important.

17 Some of the features that Don had mentioned  
18 are critical to investors. We want to have the  
19 highest utilization with the smallest initial  
20 cost, and going with the single-room project has  
21 the ability to expand. It will be very, very  
22 favorably viewed by investors.

23 The no-affiliation restriction, a number of  
24 the facilities across the country have had very  
25 strong affiliation agreements at the outset. That

1 has not helped financially. So from a marketing  
2 perspective we would like not to have that, those  
3 initial affiliations and we're set up to proceed  
4 in that manner currently.

5 And then the financials that Don had  
6 mentioned, from a feasibility perspective the team  
7 has been working with IHS and Kaufman & Broad in  
8 terms of feasibility reports, and we have a strong  
9 projected financial feasibility with debt service  
10 coverage in excess of two tenths, which is very  
11 strong.

12 David, next slide.

13 From a market perspective obviously last year  
14 with the advent of COVID, you know, it was a very  
15 difficult spring from a financial markets  
16 perspective, but the markets have entirely healed.  
17 Interest rates are, as I'm sure you're very aware,  
18 at very attractive levels and those are directly  
19 applicable to what -- what we're going to do.

20 The market for, at least taxes and bonds are  
21 taxes at mutual funds, and certain large  
22 investors. We will not sell this to retail  
23 investors. And they have had a tremendous amount  
24 of influence, people putting more and more money  
25 to work with the funds. And so the funds are

1 anxious for projects like these to have the  
2 opportunity to invest in.

3 And while we will be careful and prudent in  
4 our marketing strategy we are very comfortable and  
5 confident that -- that we will successfully place  
6 this project. And David, with that, that's --  
7 that's my testimony.

8 MR. HARDY: Thank you, Mr. Coma.

9 Our next witness is Dr. Leslie Yonemoto.

10 THE WITNESS (Yonemoto): Good morning, Attorney  
11 Mitchell and OHS staff. My name is Leslie  
12 Yonemoto, and I adopt this prefiled testimony.

13 I'm a radiation oncologist that started in  
14 proton therapy in 1992 where Dr. Mars taught me  
15 everything I needed to know about proton therapy  
16 physics, and later worked on proton therapy with  
17 Dr. Chang and met Mr. Marckini and Ms. Becky and  
18 Mr. Courtney. It's good to see all of them.

19 We've been working on proton therapy for 20  
20 to 30 years, which is unique. Most folks haven't  
21 worked that long, especially when you consider the  
22 centers such as the University of Florida and  
23 University of Pennsylvania started in 2006 and  
24 2008.

25 Anyway, I have -- I'd like to go to the next

1 slide that will help explain what proton therapy  
2 is about. This is a slide that I developed 25  
3 years ago and used to help explain the development  
4 and operations of several proton therapy centers  
5 that I've been involved with including University  
6 of Florida, Indiana and University of  
7 Pennsylvania, Brookview centers and others.

8 It's a rather busy slide but the idea is why  
9 proton therapy is unique. If you look in the  
10 center of the slide where it says, tumor volume,  
11 that's our target. That's what we want to get  
12 with a dose of something; dose of radiation, dose  
13 of chemotherapy in order to eliminate those tumor  
14 cells.

15 The circle around it is the body. So if the  
16 tumor is in the middle of the body, that is our  
17 target. The body is in the way. The body creates  
18 side effects to get to the tumor. You don't get a  
19 side effect from getting rid of the tumor. You  
20 get side effects from giving dose or harming the  
21 body that doesn't have the tumor.

22 So on the left side of the graph it says the  
23 sort of dose. That means how much radiation that  
24 part of the body got. You can consider it like a  
25 medication like in milligrams, the higher the

1 number the more milligrams or more dose, or more  
2 effects that medication or radiation has.

3 And on the bottom of the graph shows the  
4 depth. How far in the body did we travel to get  
5 there? Now if this is a medication there isn't  
6 any depth. The whole body gets medication. You  
7 take a medication, a chemotherapy drug or you take  
8 a pill of anything including ibuprofen, it would  
9 travel throughout the body, but radiation is  
10 different. It loses its steam as its goes through  
11 the body.

12 So if you look on the left side of the graph  
13 that says beam direction, consider that a  
14 flashlight being beamed into the body from left to  
15 right, and that's how radiation works. It goes  
16 into the body and then usually exits out the other  
17 side.

18 But at the very top of the graph you'll see  
19 it says it says, ortho or orthovoltage of 0.2 MeV  
20 as million electron volts. That's the technology  
21 that was available in the 1930s and '40s and '50s,  
22 and '60s, and in order to get the desired dose  
23 which is a hundred percent at the tumor volume,  
24 which you see in that graph going to the depth of  
25 20 centimeters, it shows the tumor volume getting

1 a hundred percent of the dose, I have to give over  
2 200 percent of the dose on the way in.

3 So if I create harm to the tumor at 20  
4 centimeters on the way in, then creating harm  
5 almost twice as much on the way in. Then if you  
6 follow the graph as it goes to the right, it  
7 continues to harm the tissue on the way out, not a  
8 hundred percent but at least 50 to a hundred  
9 percent.

10 So that's the way radiation works. It  
11 creates harm on the way in and harm on the way out  
12 depending on the amount of dose that you give.  
13 This is not unlike chemotherapy or any other  
14 medication, you want to give the dose to the tumor  
15 volume, but other parts of the body as an innocent  
16 bystander -- as one of my mentors called it, it  
17 also receives a dose.

18 If you think of it as chemotherapy it knows  
19 cancer is at the roots of the hair, but  
20 chemotherapy reaches the hair and causes hair  
21 loss. There may not be cancer in the gut, but  
22 chemotherapy goes there and causes nausea,  
23 vomiting and diarrhea. The same thing for  
24 radiation.

25 The before-and-after tumor volume on the

1 graph here represents areas where there isn't  
2 cancer, but you have to harm it in order to get to  
3 the tumor. So that's the physics of radiation  
4 therapy that Dr. Mars has taught me, and I  
5 developed this graph.

6 So as you see on the lines again, the top  
7 lines are in orthovoltage. While we improved our  
8 technology and went to cobalt 60, a gamma-ray  
9 emitter that's like x-rays, it increased the  
10 energy to 1.5 MeV, which is a higher dose. And  
11 the reason why that was adopted is because, as you  
12 noticed, it reduced the amount of harm on the way  
13 in. It reduced the amount of dose, serum dose --  
14 and now that the technology trumped.

15 And then in the 1970s and so, we developed  
16 LINACs. And we've got this six-four, six-eight MV  
17 LINAC, which was adopted because it reduced the  
18 amount of dose on the way in, and it was actually  
19 easier to control also. There are other  
20 characteristics also, but the main one is that it  
21 reduced the amount of dose on the way in.

22 And then the higher energy machines came out  
23 with 25 MeV -- or actually we usually used 18 to  
24 23 -- has even further reduced the dose in there.  
25 And that's the limit of the LINAC technology, and

1 that's what we use today. 95 to 99 percent of all  
2 cancers use this type of technology for radiation  
3 therapy. And again we treat anywhere from 50 to  
4 60 percent of all cancer patients with the  
5 thousands of LINAC machines throughout the  
6 country.

7 Well, the bottom line there was the protons  
8 at 250 MeV, that characteristic shows two  
9 important things. One is the entrance dose, or  
10 the dose harming the tissue on the way in is  
11 significantly less than x-rays.

12 X-rays, they're also called photons. So the  
13 reason why I put the "H" there in the photons in  
14 upper left, distinguished from protons, they're  
15 very much different. Photons are x-rays. A  
16 proton is a particle, but with this particle we  
17 can go to high energy and it reduces the amount of  
18 harm or dose on the way in.

19 And if you follow the red line to the tumor  
20 volume and you see to the right of it, there is no  
21 dose -- after you hit the tumor volume, there's no  
22 harm to the tissue there. Whereas the other lines  
23 you see up there, the LINAC, the cobalts and  
24 orthovoltage does radiate and give dose to that  
25 part of the body.

1           So this is the pure physics of radiation  
2 therapy. It's irrefutable on how this works. So  
3 with proton therapy we're still using this now  
4 that we have -- in research. Now that we have  
5 over 30 centers, we're going to have more and more  
6 data showing that this type of technology reducing  
7 the amount of tissue that's harmed on the way in  
8 and in giving no harm to tissue behind the tumor  
9 will result in two things; one, less side effects,  
10 which decreases the overall cost of the health  
11 care; and with less side effects we can go and try  
12 to increase the dose to the tumor volume and  
13 increase the chances of controlling the cancer  
14 there.

15           So it gives us two big advantages. Hopefully  
16 more dose, more tumor volume kill, less dose to  
17 the normal tissue, i.e., less side effects, the  
18 two things that we would like to do in anything in  
19 medicine, especially with cancer.

20           I appreciate your time and I support this  
21 project. I've been working on this over -- David  
22 and I have been working out over a decade on this.

23           So thank you.

24 **MR. HARDY:** Thank you, Dr. Yonemoto. Our last witness  
25 is Mr. Robert Marckini.

1 THE WITNESS (Marckini): Good morning, Attorney

2 Mitchell and OHS staff. I'm Bob Marckini, and I  
3 adopt my prefiled testimony.

4 My focus and that of our organization, as I  
5 mentioned earlier, is promoting proton therapy for  
6 prostate cancer. How did this all start? Well,  
7 about 23 years ago I drove my brother, my older  
8 brother to the hospital. He had been diagnosed  
9 with prostate cancer and he did what his urologist  
10 and most urologists recommend, and that is he  
11 had -- he agreed to do -- have a radical  
12 prostatectomy, or surgery and his prostate  
13 removed.

14 He walked into the hospital, the picture of  
15 health and then about five hours later I was with  
16 him in the recovery room -- and it scared me to  
17 death. He looked like he was near death and he  
18 had lost five pints of blood and he had some other  
19 complications, many of which didn't show up until  
20 a few months later.

21 I knew I was at risk at the time because my  
22 PSA was rising, and I made a promise to myself at  
23 that time and that was it. If I'm ever diagnosed  
24 with prostate cancer I'm going to find something a  
25 lot better than -- than surgery.

1           Next slide, please.

2           So when I was diagnosed, being what I refer  
3 to as a, quote, recovering engineer, I was  
4 comfortable wallowing in technical detail. I  
5 initially interviewed doctors representing all the  
6 various specialties that are treating prostate  
7 cancer. And I became more confused after doing  
8 that because each doctor told me that I was the  
9 poster boy for what he or she had to offer.

10           I did lots more research, internet, library,  
11 so on and so forth, but the heart of my research  
12 was interviewing former patients. The smartest  
13 thing I ever did. I interviewed literally  
14 hundreds of former patients, and what I heard from  
15 them was quite a bit different representing each  
16 of the treatment protocols.

17           Proton therapy sounded too good to be true.  
18 At that time there was only one proton center in  
19 the country and that was Loma Linda University  
20 Medical Center in Southern California. And I  
21 traveled 3,000 miles across the country to be  
22 treated there. I was there for eight weeks with  
23 my wife.

24           It was, for me, one of the most extraordinary  
25 experiences I -- I've ever had. I learned through

1 my interviews and then through my personal  
2 experience that proton therapy cures cancer, and  
3 at least as well as any other treatment option,  
4 but it leaves the patient with a much higher  
5 quality of life after treatment.

6 I, while I was in treatment I became friendly  
7 with several other fellows that were technically  
8 oriented, scientists, chemistry professor,  
9 physicists and so on. And at that time we decided  
10 to form a group so that we could stay in touch  
11 with each other and compare notes about side  
12 effects and PSA progression after treatment, and  
13 that sort of thing.

14 I jokingly refer to that group as the  
15 Brotherhood of the Balloon -- and please don't ask  
16 me to explain where that name came from -- but the  
17 group became much larger than I had ever expected.  
18 It exploded in size and as Deb mentioned earlier,  
19 We have 10,000 members, 50 states, 39 countries,  
20 and representation from all US proton centers, and  
21 several overseas.

22 We've been told by several people that we are  
23 the largest group of its kind, men who have been  
24 treated -- in patients who have been treated with  
25 a specific -- with a specific disease that were

1 treated with a specific treatment protocol.

2 So our mission, the Brotherhood of Balloon's  
3 mission has evolved into a three-part mission, to  
4 keep our members connected with each other and  
5 educated, to promote proton therapy, and to  
6 promote giving back to the institution that saved  
7 our lives, and equally important preserve the  
8 quality of our lives.

9 How do we do this? We have a monthly  
10 newsletter. As Deb mentioned, we have periodic  
11 reunions around the country. Now we have a  
12 website, a Facebook page, Uplog, Power Point,  
13 patient reference lists, my books. These are the  
14 ways that we promote proton therapy.

15 And as far as giving back is concerned, we do  
16 it through our newsletter and occasionally a  
17 fundraising campaign to different parts of the  
18 country.

19 How are we doing in these three areas? Our  
20 members are highly educated and well informed.  
21 They're all ambassadors for proton therapy. Newly  
22 diagnosed men who are discovering proton therapy  
23 through our website, Facebook page, my book. And  
24 routinely our members are giving presentations  
25 using our Power Point presentation at Rotary Club

1 meetings, Lions Club meetings, church meetings,  
2 senior communities and so on.

3 And as Deb mentioned, one of -- one of the  
4 patients that we had spoken with said that they  
5 chose proton therapy because it was the only  
6 treatment option that had a fan club. So I think  
7 we've done a pretty good job at achieving our  
8 mission and we still work at it.

9 Recently the National Association of Proton  
10 Therapy awarded me the honor of the lifetime  
11 achievement award for the work our group had done  
12 promoting proton therapy worldwide. We routinely  
13 support the establishment of proton centers around  
14 the country, including the proposed Danbury  
15 center. I know a bunch of our members have  
16 written letters of support and will also be  
17 attending hearings, public hearings.

18 Next slide, please.

19 My book has become an important part of the  
20 proton story. As I said earlier, when I was  
21 diagnosed I had great difficulty finding the best  
22 treatment options, an option for me. So I decided  
23 I was so enamored with proton therapy and what it  
24 did for me that I -- I decided to write the book  
25 that I thought would -- basically the book that I

1 wish had been available to me when I was diagnosed  
2 20 years ago.

3 If you go to Amazon and do a search under  
4 prostate cancer, you will find there are 4,000  
5 books on that subject. My first book was in the  
6 top five for about ten years and my current book  
7 is in the top one or two. It's currently number  
8 one in that search. It's distributed to proton  
9 centers and proton centers that give them to  
10 patients, and it's had a significant impact in the  
11 decision making process.

12 You can see the topics that my book covers  
13 here. I won't go into them in detail, but I would  
14 be happy to answer any questions later on. But  
15 fundamentally the book addresses men's greatest  
16 fears, firstly dying from prostate cancer and then  
17 the side effects, loss of bladder control, loss of  
18 sexual function, bowel control -- and perhaps one  
19 more.

20 If they choose radiation, secondary cancers  
21 from the radiation treatment is something that men  
22 fear, particularly now that younger and younger  
23 men are being diagnosed with prostate cancer and  
24 are gravitating toward proton therapy.

25 At one point that -- and I think it's come

1 out already in some of the presentations, that all  
2 radiation oncologists, physicists, scientists  
3 agree on is the only safe radiation dose to  
4 healthy tissue is a zero dose, and from my  
5 perspective proton comes closest to that goal with  
6 regard to any other form of radiotherapy for  
7 prostate cancer.

8 Next slide, please.

9 Okay. Something that has -- I -- I have  
10 found very important is to talk to patients and  
11 hear and listen to patients with regard to their  
12 experience of proton therapy for prostate cancer.  
13 And we actually have done a number of surveys of  
14 our patients and our members.

15 Initially we did the surveys, but since then  
16 independent third parties have done surveys and  
17 the results are always the same. And this is sort  
18 of a conglomeration of the results of said  
19 multiple surveys. You'll notice that the  
20 percentages are all in the high 90s, and these are  
21 patients that were treated at all proton centers  
22 in the country.

23 Experience was excellent to outstanding.  
24 They felt they made the best treatment for the  
25 decision for themselves. They would make the same

1 decision again. That's -- that's significant.  
2 They recommend proton therapy to others, and  
3 almost all of them reported no recurrence of their  
4 prostate cancer. And -- but they also reported  
5 high scores with regard to urine control, bowel  
6 function and sexual function.

7 Now you have to ask the question, how would  
8 surgery, brachytherapy, or IMRT patients respond  
9 to these same questions? I don't think the  
10 answers would be the same. We know this for a  
11 fact because we talk with them all the time.

12 Next slide, please.

13 So I'd like to thank you for the opportunity  
14 to speak today. I'd like to summarize -- my  
15 contention is that based on my 20 years of  
16 research and experience, that proton therapy cures  
17 prostate cancer at least as well as any other  
18 major treatment option, and it scores better at --  
19 better at all the other categories with regard to  
20 side effects.

21 Over the years I've found patients have  
22 become more and more informed, and self referral  
23 is much more common than it was in the early days  
24 that I started studying this disease. I'm  
25 convinced that proximity to a proton center is a

1 huge factor for patients who want proton therapy,  
2 but can't travel for various reasons.

3 The Danbury area is a superb location to fill  
4 the void in the Northeast, the area that I'm most  
5 familiar with, especially considering Danbury's  
6 proximity to major population centers.

7 And add to that the clinical leadership  
8 provided by two of the brightest stars in the  
9 proton world, Dr. Leslie Yonemoto and Dr. Andrew  
10 Chang, two extraordinary physicians and experts in  
11 the field that I've had the pleasure of knowing  
12 for most of the past 20 years. That's a winning  
13 combination.

14 And finally, you certainly have Deb's and my  
15 support for this venture, and the support of our  
16 entire organization. I urge the State of  
17 Connecticut to support this effort.

18 Thank you very much.

19 MR. HARDY: Thank you, Mr. Marckini.

20 And with that, Attorney Mitchell, that  
21 completes our testimony this morning.

22 THE HEARING OFFICER: All right. Thank you, attorney  
23 Hardy.

24 I'm just going to ask, are there any public  
25 officials that are present that want to provide a

1 comment?

2 A VOICE: The video?

3 MR. HARDY: Oh, I'm sorry.

4 Attorney Mitchell, if we have time. We just  
5 had one video we wanted to conclude with.

6 THE HEARING OFFICER: Okay. Has that been submitted as  
7 evidence? Are you --

8 MR. HARDY: It has been, yes.

9 THE HEARING OFFICER: Okay. All right. All right.

10 So I'll go ahead and allow it. I remember  
11 looking at a video, so okay. All right.

12 MR. HARDY: Let me get my screen back up.

13 THE HEARING OFFICER: I'm going to ask everybody to  
14 unmute themselves.

15 MR. HARDY: Well, I apologize. It appears the video is  
16 not there for us. My apologies, but there is a  
17 link in the -- that was submitted along with all  
18 the other record materials.

19 THE HEARING OFFICER: All right. Thank you, Attorney  
20 Hardy. If you're able to establish the correct  
21 link we can allow you to show it later on before  
22 the end of the hearing.

23 MR. HARDY: Thank you. We'll work on that.

24 THE HEARING OFFICER: Okay. Let me just ask, are there  
25 any public officials that want to make a comment?

1                   You can unmute yourself and let me know.

2  
3   (No response.)

4  
5 **THE HEARING OFFICER:** All right. So I don't hear  
6 anything yet. So what we're going to do is we are  
7 going to go off the record for about 20 minutes so  
8 that I convene with Brian and my colleague Roy, so  
9 we can look at the questions we have, see which  
10 ones were answered and then we'll come back with  
11 our questions at twelve o'clock. Okay?

12 **MR. HARDY:** Yeah. Excuse me, Attorney Mitchell? Can I  
13 just have two scheduling requests?

14 **THE HEARING OFFICER:** Yes.

15 **MR. HARDY:** I noticed that Mr. Marckini I know has a  
16 hard stop at one o'clock.

17 **THE HEARING OFFICER:** Right.

18 **MR. HARDY:** And then Dr. Moyers needs to return to the  
19 hospital. So to the extent you may have questions  
20 for Dr. Moyers, if we could get them towards the  
21 front that would be appreciated?

22 **THE HEARING OFFICER:** Got it. Will do. I think I did  
23 have a couple questions for Dr. Moyers. Okay.  
24 Let me just ask, just for a point of clarification  
25 if we get back to Dr. Moyers first at noon would

1           that be okay in terms of scheduling?

2   **THE WITNESS (Moyers):**   That's fine.

3   **THE HEARING OFFICER:**   All right.  Thanks everybody.  So  
4           we will go off the record for about 20 minutes,  
5           and I'll give you the announcement about a minute  
6           before we go back on so that everybody is all set  
7           and in their seat.  Make sure that you mute  
8           yourself and you turn off your camera, because we  
9           are not going to stop recording.

10                 Thanks, everybody.

11  
12                 (Pause:  11:41 a.m. to 12:01 p.m.)

13  
14   **THE HEARING OFFICER:**   All right.  So we are back on the  
15           record.  I do want to ask before we go into the  
16           questions that we developed prior to the  
17           hearing -- there is one question that I want to  
18           ask Dr. Moyers before he leaves.

19                 And it's based on the presentation presented  
20           with the slide that starts with the year 1990.  It  
21           talks about the increase in the number of patients  
22           treated with this type of therapy.  And I think  
23           that the part that we're missing in terms of being  
24           able to do our analysis is we do see the increase  
25           in the number of programs.  We also see -- I'm

1 getting feedback.

2 THE REPORTER: This is the reporter. I'm getting some  
3 feedback as well.

4 THE HEARING OFFICER: Right. I'm just going to ask  
5 everybody to mute just for a second until the  
6 question has been answered, and then Dr. Moyers  
7 you can unmute.

8 I think I really am interested in, in  
9 addition to the number of people that are being  
10 treated using this mode of treatment. Is there a  
11 correlation between the number of people treated  
12 and the efficacy of this type of treatment? Like,  
13 what were the outcomes?

14 Can you talk a little bit about that?

15 THE WITNESS (Moyers): As far as the outcomes I -- I  
16 think I should leave that to the physicians that  
17 examined the patients before and after the  
18 treatments, and do those.

19 As -- as far as number of patients, you --  
20 well, maybe you can ask that part of the question  
21 again?

22 THE REPORTER: Dr. Moyers, is it possible you could get  
23 closer to your microphone? I believe the  
24 background noise is coming from your microphone.  
25 Thank you.

1 THE WITNESS (Moyers): It's -- it's on my mouth, my  
2 microphone, so --

3 THE HEARING OFFICER: That's okay. So basically what  
4 I'm asking is the slide that was presented during  
5 your presentation talked about the number of  
6 patients treated from 1990 on, and noted an  
7 increase in the amount of patients that were  
8 treated. So we also note, too, I guess from 2000  
9 on that the number of these types of centers also  
10 increased.

11 And I think that we are looking for some  
12 correlation between the increase in the number of  
13 patients treated and the efficacy of this type of  
14 treatment, if you have it?

15 THE WITNESS (Moyers): Yeah, I -- I think the increase  
16 with any new facility, part of it is for the -- I  
17 would say the first year is in training, getting  
18 all the staff going and -- and trained during the  
19 first year.

20 But in the second year they increased, it's  
21 probably due to getting the word out to the -- the  
22 patients. They have to learn the facility exists  
23 and -- and they're referring doctors to let them  
24 know that if -- if you've heard the other people  
25 talk, a lot of patients find the facility on their

1 own, but -- but those that have referring  
2 physicians, that -- that network of learning that  
3 exists and in teaching other physicians that it's  
4 a good treatment, I think that determines how it  
5 comes out.

6 THE HEARING OFFICER: Thank you. And I think that was  
7 all of the questions that we had specifically for  
8 you, Dr. Moyers, in case you have other pressing  
9 things that you needed to do.

10 THE WITNESS (Moyers): Okay. If you have any other  
11 questions just send them to me. Or you can give  
12 them to the team members and they can transfer it.

13 THE HEARING OFFICER: Will do. Thank you.

14 THE WITNESS (Moyers): Okay. Thank you.

15 THE HEARING OFFICER: All right. So these next set of  
16 questions are questions that we preprepared and we  
17 kind of went through and determined whether or not  
18 they were answered during the presentation that  
19 the applicants presented.

20 I'm going to just note, Attorney Hardy, if  
21 there's anyone that you feel is most appropriate  
22 to answer the question, you can designate them.  
23 It doesn't have to go to a specific person, but we  
24 have grouped them by category. So these first  
25 couple of questions relate to demonstration of

1           need.

2           So the first question is, please discuss the  
3 methodology used to determine the need for proton  
4 therapy services in Danbury, Connecticut.

5           Specifically, how do you deduce that -- well, let  
6 you guys answer that question first and then I'll  
7 go to the second part of that question.

8 MR. CARNEY: I think probably the person to start with  
9 may be Mr. Courtney.

10 THE WITNESS (Courtney): Certainly. Actually the  
11 correct answer is, various ways. The -- there are  
12 population based. There are tumor registry based.  
13 There are essentially interviews in the market.  
14 There are a number of ways to really calculate  
15 what -- what the need might be. That's why we  
16 looked at the patient bed count of the various  
17 facilities; who was not going to be readily served  
18 by the Hartford and New Haven health system.

19           We were frankly quite surprised how -- how  
20 many -- how much population was not going to be  
21 connected, if you will, to those, to those  
22 institutions. And one of the things that we  
23 learned, and as Mr. Coma pointed to, facilities  
24 that exclude, but through these kind of  
25 affiliations their surrounding market really end

1 up hurting, not only themselves, but there their  
2 patients.

3 We in fact think that proximity is a huge  
4 issue and that population is -- is the driver.  
5 And even if there is a patient that's typically,  
6 say, served by Hartford or New Haven that's in our  
7 market, they may choose to actually get their --  
8 their treatment with us, and we'll be working very  
9 closely with the Hartford or New Haven health  
10 system.

11 So we're -- this is a proximity-based  
12 evaluation primarily.

13 **THE HEARING OFFICER:** All right. So I just note you  
14 actually brought up something that I was going to  
15 ask a question about later, and this pertains --  
16 you brought this up just now, but this pertains to  
17 Mr. Coma's testimony.

18 So I noted that you said that your project  
19 does not have affiliations due to limitations on  
20 patient referrals -- and how does an affiliation  
21 limit that? So I just wanted to see if you can  
22 expand upon that since you brought that up.

23 **THE WITNESS (Courtney):** Actually, I would like  
24 Dr. Yonemoto to take that question because he does  
25 it so well. He understands better -- better than

1           most the significance of this question.

2           Les?

3   **THE WITNESS (Yonemoto):** Sure. Now let me understand.

4           Is the question about affiliation with the  
5           different medical organizations and such?

6   **THE HEARING OFFICER:** Right.

7   **THE WITNESS (Yonemoto):** Yes. Well -- you know,  
8           they're not much different than any other facility  
9           that's freestanding and not part of an affiliate  
10          organization. We provide a niche and a need to  
11          reach out to these patients to provide services.

12          What we do is we prevent -- we provide access  
13          to others that somehow affiliations may not be the  
14          best way for them to access medical care that  
15          they're not part of an integrated system, but  
16          would like to be part of a system that is  
17          independent and can affiliate with other folks  
18          that are not part of the usual affiliation or  
19          service line.

20          So that's no different than any other  
21          freestanding nonaffiliated center, and we're quite  
22          familiar with that. We have worked, including  
23          Dr. Chang and myself, with many nonaffiliated  
24          centers providing the need. We don't see that as  
25          a detriment, but as complementary like all

1 freestanding centers are. And we work with  
2 affiliated centers as much as we can and provide  
3 services along with them.

4 **THE HEARING OFFICER:** Okay. Thank you.

5 I'm going to go back to Mr. Courtney on the  
6 need analysis.

7 So you said that you used a number of ways to  
8 determine need used, population based tumor  
9 registry based, interviews in the market. Is  
10 there any one methodology that you use that you  
11 can point to that you believe best determines that  
12 there is a need for this service through your  
13 proposal?

14 **THE WITNESS (Courtney):** Certainly. The thing that  
15 drove us and really drove us to Danbury was  
16 because of our national, and actually  
17 international history in this particular market.

18 We -- we've looked at throughout the United  
19 States, of the MSAs, or the geographic areas that  
20 are missing proton therapy facilities. The  
21 Danbury -- the 50-mile radius around Danbury was  
22 the -- the highest need area in the whole United  
23 States, at which underscored the need to be there  
24 and the viability of the center.

25 In some ways development is location,

1 location, location, and this is -- is the highest  
2 need in all of the United States.

3 THE HEARING OFFICER: Okay. Thank you. And then there  
4 was a sub-part to that question -- just trying to  
5 go back to my questions here. So it looks like in  
6 your prefiled testimony -- and it may not  
7 specifically be yours. Let me just double check.

8 But on Bates or OHS page 4 of the prefiled  
9 testimony the question is based on the statement  
10 that was made that 17 percent of patients are  
11 being treated at New York Proton Therapy, like  
12 their facility.

13 And I guess the question is, how was the  
14 assumption made that most of the 17 percent of  
15 patients are from Connecticut? Does that make  
16 sense? Let me just go back --

17 THE WITNESS (Courtney): Oh, yeah. No, I understand.  
18 No, that's a very good question.

19 Yes. First of all, that data is coming from,  
20 you know, a relatively new center. So their  
21 numbers are going to definitely be going up, but  
22 when they indicated that 17 percent of their --  
23 their patient base was from Connecticut and New  
24 Hampshire --

25 THE HEARING OFFICER: New Jersey.

1 THE WITNESS (Courtney): -- New Jersey, we knew that  
2 there were very few coming from New Jersey.

3 That was kind of a residual because that that  
4 institution was working with the ProCure facility  
5 and there were a few patients left that were kind  
6 of in that, in that queue, if you will.

7 And -- and additionally there are, between  
8 that facility and the Mevion facility at Robert  
9 Woods Johnson there are five treatment rooms. So  
10 they have plenty of capacity locally in New  
11 Jersey. So there would be very little reason to  
12 send people to -- to Harlem in New York for  
13 treatment.

14 On the other hand, Connecticut patients have  
15 no place to go. And so you know, it's was very  
16 easy to make the assumption that the largest part  
17 of that, that population is going to -- coming  
18 from Connecticut.

19 And of course, most of those Connecticut  
20 residents are folks that are probably in the  
21 Fairfield County area, the Gold Coast that have  
22 access to -- to that facility. Most people in  
23 Connecticut don't even know proton therapy exists  
24 yet.

25 THE HEARING OFFICER: Thank you. All right. So the

1 next question that I have is, again in the  
2 prefiled testimony it's going to be Bates OHS  
3 page 5. It states that a single treatment room is  
4 inadequate to fulfill the need for the entire  
5 state of Connecticut, and that the authorization  
6 of a second room in Danbury will still leave  
7 substantial need unmet.

8 How do you arrive at your conclusion that the  
9 demand for proton therapy services in Connecticut  
10 could support two separate facilities, and two  
11 separate rooms?

12 THE WITNESS (Courtney): Sure, yeah. The next -- the  
13 key is how many treatment rooms you have and  
14 essentially how many treatments you can make. And  
15 the number of patients is not a fixed item per se.  
16 Where both facilities are talking about operating  
17 at 16 hours a day, they have a higher amount of  
18 patients just based on a fewer number of  
19 treatments assumed for their patient mix.

20 With hypofractionation we should be able to  
21 increase the actual number of patients that we --  
22 that we service over time. The -- but that's not  
23 your question.

24 I forget what your first part of your  
25 question was.

1 THE HEARING OFFICER: Not a problem. So in the  
2 prefiled testimony it says that a single room is  
3 inadequate to fulfill the need. And so the  
4 question goes to, how did you arrive at your  
5 conclusion that demand for proton therapy services  
6 in Connecticut could support two treatment rooms,  
7 let alone two separate facilities?

8 THE WITNESS (Courtney): Sure. The -- the number of  
9 cancer patients that will present themselves  
10 annually approximately in Connecticut are around  
11 20,000. And 60 percent or so of those patients,  
12 all depending on what -- what kind of things they  
13 have, if they have throat cancer, you know a good  
14 80 percent of them will get radiation treatment.

15 But 60 percent of those would be normally in  
16 radiation oncology as part of their treatment,  
17 and -- and about 15 to 30 percent of those  
18 patients are eligible typically for proton  
19 therapy.

20 Which gets you to around to 2,500 patients  
21 that are just a subset of the overall -- overall  
22 radiation requirement. And then you have two  
23 facilities that can only accommodate maybe 800  
24 patients per year. So you're nowhere close to the  
25 bottom need of 2500 people for the state, and

1           that's just for Connecticut.

2           That's not taking anybody -- any of the  
3           overflow from Massachusetts, which happens  
4           every -- every week. They -- they turn away  
5           people. That's not taking any overflow from the  
6           New Hampshire, Maine, Vermont and -- and the  
7           millions of people in the West, in our market in  
8           New York.

9   **THE HEARING OFFICER:** Just for clarification when you  
10           say, overflow, do you mean people who are  
11           appropriate for the type of treatment, but they  
12           don't have a capacity? Or are these people that  
13           are being turned away for clinical reasons?

14   **THE WITNESS (Courtney):** No, it's -- it's overflow.  
15           They -- they've documented for years their need to  
16           ration proton therapy at MGH. They try to drive  
17           them away with high prices. They charge  
18           300 percent over Medicare. Even that doesn't  
19           drive the demand away.

20           And so they -- essentially they have to every  
21           week sit down and look and see, okay. Who are we  
22           not going to treat this week?

23   **THE HEARING OFFICER:** Do you have any evidence that  
24           indicates the amount of people that are turned  
25           away from other facilities that Connecticut

1 patients might be going to?

2 THE WITNESS (Courtney): Yes, that was in our  
3 official -- our first submission with the CON, the  
4 research and the reports that they had given them  
5 then.

6 And frankly, I don't recall the numbers off  
7 the top of my head, but yeah, they have -- it's --  
8 it's famously known for being under capacity.

9 From our point of view we also are -- are  
10 surprised that they really haven't extended their  
11 hours significantly. And we, we are going to --  
12 it's not easy to do a second shift. Its -- it's  
13 difficult to staff. You know people, you know,  
14 would rather not.

15 But we, we want to make this treatment  
16 available to as many citizens as we can.

17 THE HEARING OFFICER: Thank you. Okay. So I'm going  
18 to go ahead and turn it over to my colleague, Roy.

19 MR. WANG: Thank you. So the next questions and  
20 sub-questions is in the category of quality. So  
21 first, please discuss the cancer types that  
22 Danbury Proton proposes to treat at its facility.

23 And specifically, which types of cancers will  
24 represent the highest percentage of patient  
25 volume? What is the efficacy for each type of

1 cancer to be treated? And then lastly, has the  
2 Food and Drug Administration approved the use of  
3 proton therapy for these cancer types?

4 I'd be happy to reread the sub-questions of  
5 that larger question.

6 A VOICE: Dr. Yonemoto?

7 THE WITNESS (Yonemoto): Yes. I think the last  
8 question was about FDA approval, or clearance for  
9 proton therapy?

10 MR. WANG: Correct. The various cancer types that will  
11 be treated.

12 THE WITNESS (Yonemoto): The FDA has cleared proton  
13 therapy back in the 'nineties for all cancer  
14 types. Similarly to the over 2,000 LINAC  
15 accelerators out there, it's the same indications.  
16 You can treat the same as the conventional  
17 radiation.

18 So the FDA approval has been -- or clearance  
19 as they like to say has been around for decades.  
20 That's never been an issue for proton therapy.

21 The -- I think your one question is ethics --  
22 oh, the types of cancer treated with proton  
23 therapy?

24 MR. WANG: Correct. And then just what was the highest  
25 percentage of patient volume?

1 THE WITNESS (Yonemoto): The -- in my world, we, as  
2 radiation oncologists as part of the oncology team  
3 in medical, surgical and radiation oncology, we  
4 see approximately 50 to 60 percent of all cancer  
5 patients get radiation therapy, and they're  
6 typically treated with X-ray therapy, similarly to  
7 the graph I show there where I showed the LINAC  
8 being the primary modality of giving the  
9 radiation.

10 I don't know of any place that uses cobalt  
11 anymore -- but anyway, that's the use for all --  
12 almost all the patients that are treated with  
13 radiation therapy.

14 Proton therapy as per that graph could be  
15 substituted for arguably most of those cases, but  
16 not all. So in terms of potential indication, the  
17 way I think about it, if it's indicated for  
18 X-rays, saying it's probably indicated for  
19 protons. Just -- and with that technology I can  
20 use the advantage of lower entrance dose and no  
21 exit dose.

22 So that's how I think about protons is it's  
23 the same as I need to get a certain amount of  
24 radiation to the target volume, which is a tumor,  
25 and reduce the amount of dose and damage on the

1 way in and on the way out.

2 So on a 30,000-foot view, yes, if it could be  
3 treated with X-rays, then it could potentially be  
4 treated with protons. Saying that, the most  
5 common cancers are breast cancer, lung cancer and  
6 prostate cancer. They represent half of all  
7 cancers in the United States, and next are  
8 colorectal, lymphomas and such.

9 But similarly, that's the same statistics in  
10 terms of radiation therapy. Most of us as  
11 radiation oncologists, we treat breast, lung and  
12 prostate cancer, and it's usually about half our  
13 patients or practice, similarly to the volume of  
14 the number of patients. So proton therapy does  
15 the same. Most of our patients would be breast,  
16 lung and prostate cancer.

17 As Mr. Marckini and Ms. Hickey had mentioned,  
18 there's an overwhelming number of patients that  
19 are prostate cancer patients that has discovered  
20 proton therapy. In expanding what Dr. Moyers was  
21 talking about, about the expansion, at the time we  
22 were there in the early 'nineties, for us old  
23 folks we noticed that's when the Internet started  
24 and the ability to do searches on data instead of  
25 having to find scientific papers at such. Now

1 they can look up that.

2 And we went and, you know, put our data on  
3 the Internet and then people saw and found this,  
4 like Mr. Marckini and such. And that's how --  
5 part of the expansion.

6 So in terms of the efficacy, one of the  
7 things that we did in the 'nineties is we did an  
8 NIH sponsored protocol, a clinical trial with  
9 proton therapy and prostate cancer showing that if  
10 we give more dose to the tumor, or the prostate  
11 which contains the tumor, we would get a higher  
12 control rate of the cancer, and showed that. It  
13 was a positive study and it was published in the  
14 Journal of American Medical Association.

15 Things like that in terms of efficacy have  
16 shown what we know as a truth. I mean, radiation  
17 oncology is typically if you give more dose to the  
18 cancer cell you tend to control it better.  
19 Similarly to any other medications and things like  
20 that, there's a lot to be said that oftentimes  
21 giving more dose of the drug or medication tends  
22 to get a better efficacy.

23 And there's plenty of scientific papers out  
24 there. We can provide lists and such. It's  
25 expanding rapidly by the number of centers that we

1 have now. The more centers, the more scientific  
2 papers -- and that's one of the points I like to  
3 bring up is, we intend to be research oriented.

4 We intend to participate in clinical trials.  
5 We have participated in clinical trials. We were  
6 doing it decades ago. Dr. Chang is part of the  
7 clinical trial group. So we are -- just because  
8 we're not part of an integrated system doesn't  
9 mean we're not clinically, you know, oriented  
10 towards clinical trials. We are. We plan to do  
11 both clinical and scientific studies.

12 Does that answer all your questions?

13 THE HEARING OFFICER: I'll just interject. I just want  
14 to make sure that we got the response on the types  
15 of cancer that are going to represent the highest  
16 percentage of patient volume.

17 And so I was hearing you -- I heard you say  
18 breast, lung and prostate cancer represent half of  
19 all cancers in the U.S. and those are probably the  
20 ones that most oncologists treat, most in their  
21 practices.

22 And so I guess the question is, would that  
23 translate to proton therapy as well, that those  
24 are going to be the highest percentages of the  
25 types of cancers that you'll treat?

1 THE WITNESS (Yonemoto): Yes, that's correct. It would  
2 be similar to the other, you know, conventional  
3 centers that proton therapy will treat those three  
4 mostly. And I think that prostate would be the  
5 number one, then lung and breast cancer and that's  
6 kind of similar to what our practice is.

7 One big note is that, although pediatric  
8 cancers are a small percentage of all overall  
9 cancers in the United States, most of the  
10 pediatric cancers that get radiation therapy are  
11 being steered towards proton therapy, as you know  
12 with Dr. Chang's presentation.

13 That's a very big deal because the extra dose  
14 into normal tissue that doesn't have cancer  
15 affect children significantly more than adults.

16 MR. CARNEY: The is Brian Carney.

17 So Attorney Hardy, I'm not really sure we  
18 have this information, but I think it would be  
19 helpful for OHS in our analysis if we were to  
20 receive a breakdown of the projected volume for  
21 the three years by cancer type. I think that  
22 would be immensely helpful for us to take a look  
23 at.

24 And I just had one other additional question,  
25 too, because the other proposal was a little bit

1 different as far as prostate goes. Do you know,  
2 is prostate covered by commercial health insurance  
3 currently for proton therapy?

4 **THE WITNESS (Yonemoto):** Sure. I can answer that.

5 Back when I was treating prostate cancer in the  
6 1990s it's covered by Medicare, CMS, and many  
7 commercial insurers, and it continues to this day.

8 The difference is, is just the insurance  
9 companies have more scrutiny and spending more  
10 time on, you know, vetting the applicants in terms  
11 of coverage, but that's all -- all modalities of  
12 therapy, not just protons.

13 **THE WITNESS (Melson):** Excuse me. This is Don Melson.

14 I want to contribute some information. We  
15 did report -- provide you with information about  
16 cancer types in our responses to some of your  
17 earlier questions.

18 Our models include 35 percent prostate,  
19 20 percent lung, 15 percent breast, 10 percent  
20 head and neck, and then 5 percent each for central  
21 nervous system, other chest, other pelvis and  
22 other abdominal.

23 **MR. CARNEY:** Yes, I think I have that. I think that's  
24 just for one year. So if we could get that for  
25 the three projected years, that would be great.

1 MR. HARDY: So I think Mr. Carney, we can. We can put  
2 that together and submit it.

3 MR. CARNEY: Thank you.

4 MR. WANG: If I might? Just one last follow-up with  
5 the new information. This is Roy Wang, OHS.

6 Would anyone like to add any additional  
7 information on the efficacy of proton therapy on  
8 those different cancer types that Mr. Melson just  
9 mentioned?

10 THE WITNESS (Yonemoto): Well, I -- I mentioned the  
11 prostate cancer, which we wrote we participated in  
12 the first clinical trials in '95 to '98. And  
13 there's been subsequent trials showing that  
14 there's more control with more dose to the  
15 prostate.

16 Dr. Chang mentioned the efficacy with breast  
17 cancer. We're not really trying to increase  
18 the cure rate, so control rates per se, because  
19 it's fairly good control rates of any radiation or  
20 proton, but to reduce the side effects, the  
21 cardiovascular events that occur from radiating  
22 the coronary arteries, and that's very hard to do  
23 a randomized protocol to see if that would harm  
24 someone.

25 So we used the commonsense protocol, well, if

1 we don't treat it, it won't get a side effect type  
2 thing. So it's -- the efficacy is difficult to  
3 place on a randomized protocol, per se, in -- in  
4 that type of scenario.

5 And for lung cancer, it's -- it's highly  
6 evolving. We're getting more into the  
7 stereotactic radiation therapy and such, where  
8 they're actually putting more dose, and the proton  
9 is ideal for that. There are papers out there.  
10 We can submit those, but it's rapidly changing.  
11 Right?

12 I hate to start quoting things that may not  
13 be, you know, relevant in a year or two.

14 MR. WANG: Thank you very much.

15 THE WITNESS (Chang): This -- this is Andrew Chang. I  
16 also wanted to also answer a little bit more about  
17 that to one of your questions, about the FDA  
18 approval.

19 So as Dr. Yonemoto mentioned, the FDA has  
20 approved the use of proton therapy for the  
21 treatment of all malignancies, so it's not a  
22 concern. One of the things that I would like to  
23 point out, though, is I think one of the themes  
24 we've been seeing, of those of us who've been  
25 working in proton therapy for the last several

1 decades is the continued expansion and evolution  
2 of the use of proton therapy for more and more  
3 indications.

4 And part of that is, as more users of the, in  
5 essence, a tool -- proton therapy is just another  
6 tool for us as radiation doctors, we find better  
7 and better ways of using these tools. And so  
8 things that we hadn't thought about before we are  
9 starting to use it more frequently.

10 For instance re-irradiation patients that  
11 have had radiation already for one cancer and  
12 having a cancer come back in an area, standard  
13 radiation, X-ray radiation has a hard time  
14 treating it.

15 And so we're starting to see quite a bit of  
16 secondary radiation being preferentially referred  
17 to a proton center, because otherwise a standard  
18 radiation, X-ray radiation would not be able to  
19 treat. And those patients might have been going  
20 to hospice, for instance. That we can now say,  
21 this is something we can treat. So a growing  
22 expansion of indications.

23 Now that being said, there's also another big  
24 expansion that is currently being investigated for  
25 noncancerous utilization. Examples of that

1 include the examination of proton therapy for the  
2 treatment of seizure activity in the brain; use of  
3 proton therapy for the treatment of heart attack  
4 prevention in patients that have abnormal heart  
5 conductivity issues.

6 So for these indications those are  
7 noncancerous at all, but are being studied in a  
8 few centers that I would say those are not FDA  
9 approved because those are being examined -- it  
10 could be in five or ten years from now that that  
11 suddenly becomes a new standard and becomes FDA  
12 approved.

13 But for the treatment of cancer itself proton  
14 therapy has been FDA approved, but there's a whole  
15 other set of indications that we're, as a  
16 community in the field we're just starting to  
17 research as well.

18 THE HEARING OFFICER: Just for clarification,

19 Dr. Chang, this proposal doesn't cover those kind  
20 of experimental seizure and the heart attack  
21 prevention types of --

22 THE WITNESS (Chang): That's correct.

23 THE HEARING OFFICER: Okay.

24 THE WITNESS (Chang): I was just saying that. So --

25 but to answering the question about FDA for cancer

1 it is approved, but there are things that proton  
2 therapy is not FDA approved for, and those are  
3 experimental and that's not what we're  
4 anticipating doing.

5 THE HEARING OFFICER: Got it. Okay. Any other --

6 THE WITNESS (Boucher): Can I add?

7 THE HEARING OFFICER: Yes.

8 THE WITNESS (Boucher): I just wanted to add a  
9 simplification, because it's very important. It's  
10 about retreatment. What we are seeing in proton  
11 therapy -- and I have seen that for the past ten  
12 years, increased use of proton at our centers, the  
13 centers that I work for -- for retreatment.

14 A good example is New York proton centers has  
15 41 percent of their treatment that are  
16 retreatment, a patient that most likely had no  
17 other options of treatment than proton therapy.  
18 Some of the centers that have been mentioned in  
19 St. Louis that work very closely. Washington  
20 University has also about 40 percent of their  
21 patients are retreated.

22 So when you talk about application, these are  
23 the application. The retreatment covers a wide  
24 range, and most likely 30 to 40 percent of the  
25 patients treated will likely need retreatment.

1 MR. CARNEY: This is Brian. Just so that means --  
2 following conventional radiation therapy as well,  
3 that's what you're referring to, the retreatment?

4 THE WITNESS (Boucher): That is correct, yes.

5 MR. CARNEY: Okay. Thank you.

6 THE HEARING OFFICER: Okay.

7 THE WITNESS (Courtney): I just might add that the  
8 reason that is, is because with the conventional  
9 radiation a lot of healthy tissue has already been  
10 impacted. So they can't go back without causing  
11 major side effect issues, whereas they can go to  
12 proton therapy because those health tissues are  
13 now not going to be treated again.

14 THE HEARING OFFICER: Thank you.

15 All right. We're going to move on to access  
16 to services within the region. And the next  
17 question is, according to the application Exhibit  
18 C, Bates page 1297, Danbury Proton -- this is a  
19 quote, Danbury Proton has no existing referral  
20 arrangements with area providers and intends to  
21 maintain an open affiliation policy in order to  
22 allow for patient referrals from many sources.

23 The first question with regard to that  
24 statement is, describe your expectations for the  
25 patient referral process at Danbury Proton Center.

1 MR. HARDY: I think maybe Dr. Yonemoto can speak to an  
2 intake process in comparable settings.

3 THE WITNESS (Yonemoto): Yes, I can. We started this  
4 process back at Loma Linda back in the 'nineties  
5 where most may -- 90 percent of the patients were  
6 outside of our usual referral network within the  
7 university. And that was reaching out with the  
8 usual ways of information, publishing papers,  
9 outreach, things like that.

10 We helped other centers including the ProCare  
11 centers with the same process essentially. It's  
12 like any other freestanding center that's not  
13 affiliated with an integrated network. We go and  
14 reach out to the individual physicians in -- with  
15 personal and integrated meetings and such.

16 We go to the usual community outreaches. We  
17 go and obviously do our research and publish our  
18 papers. We go and do the usual advertising, you  
19 know, to reach the community with the -- nowadays  
20 it's the search engine optimization. And it's  
21 highly effective.

22 Just like Mr. Marckini mentioned, once you  
23 have information in front of you a lot of people  
24 see the benefits like we're presenting today and  
25 self refer, and then after initial information

1 distribution a lot of the physicians self refer --  
2 not self refer, but refer patients.

3 We're not saying we're not going to have  
4 providers referring to us. It's just that we  
5 won't have the ready base when we first start, but  
6 we'll go and work on that, and to build on that  
7 referral base.

8 It's not, we don't have a referral base, or  
9 we don't want one. It's just that we'll have to  
10 work to build that up, and we have.

11 **THE HEARING OFFICER:** Since you were talking about self  
12 referrals, this is a great segue into the next  
13 question. Because according to the application of  
14 the same page, it's Bates page 1297, you  
15 anticipate that 60 to 70 percent of patient  
16 capacity will come from self referrals.

17 So can you just talk about how you reached  
18 that percentage and how that process works?

19 **THE WITNESS (Yonemoto):** Yes. It's mostly based on  
20 experience that we had over at Loma Linda and the  
21 ProCare centers, and our reaching our colleagues  
22 that have similar experiences that are not  
23 affiliated with a major center that has already a  
24 built-in referral base.

25 **THE HEARING OFFICER:** So --

1 THE WITNESS (Yonemoto): And that's -- oh, excuse me.

2 THE HEARING OFFICER: No, you keep going. I'm  
3 listening.

4 THE WITNESS (Yonemoto): And it's fairly well known  
5 especially within our proton therapy communities  
6 and in our conferences. We discuss this as a part  
7 of the strategy of getting this technology and  
8 these wonderful treatments to patients, because it  
9 is relatively unknown.

10 It doesn't, you know, have this large  
11 notoriety like any other cancer treatments. In  
12 fact, radiation therapy is not as well-known as a  
13 surgery or chemo. People realize that now you go  
14 to the radiation part, and you've got proton.  
15 So -- but once the information is disseminated and  
16 reached the patients, that's why these numbers are  
17 so high.

18 And we expect with time, like many centers,  
19 that as the -- even as the physician population  
20 will start to realize the benefits and then the  
21 referral process would be going.

22 After we realized that radiation oncology is  
23 less than 1 percent of the physician population --  
24 so many physicians are not familiar with our  
25 specialty. And within the radiation oncology

1 community, only 1 or 2 percent are proton  
2 physicians.

3 So we even have an educational need for even  
4 in our own community. So that's -- that's why  
5 communications and outreach is so important, and  
6 we do that all the time.

7 THE HEARING OFFICER: What does a self referral look  
8 like for somebody who's been diagnosed with cancer  
9 and is not coming to you through a referral from  
10 their doctor?

11 How does that go from start to finish?

12 THE WITNESS (Yonemoto): Well, we saw this happening  
13 long ago at Loma Linda when the Internet was born,  
14 or it became popular in the 1995, '96 era, that  
15 people started to call in and asking what --  
16 what's -- what is this?

17 And so we would set up a whole center just  
18 like MD Anderson has. It's -- we all have a  
19 process that when an inquiry comes in that we  
20 process it through a system and protocols to  
21 inform the patient of what we have.

22 We tend to go the extra mile by trying to get  
23 information to them immediately, not call in and  
24 we'll send a brochure. We tend to try to spend  
25 the time and initial call to educate a patient

1 about cancer radiation therapy, types of  
2 radiation, proton therapy, similar to what we're  
3 doing today in terms of giving information about  
4 why this is something that may be of interest,  
5 especially to a patient that's been diagnosed with  
6 cancer.

7 And so the next step would be seeing if they  
8 would like to come in for a consult with one of  
9 the physicians, or oftentimes an outreach, like,  
10 would they like to see, like, Mr. Marckini's book  
11 that is extremely helpful for the folks with that.  
12 And we have other resource materials that we can  
13 send, but we encourage them to come in and see one  
14 of the physicians where we can do a consult.

15 Now the duty of Danbury Proton is they don't  
16 have to travel like Mr. Marckini 3,000 miles to do  
17 the consult. With a nearby center they can drive  
18 to it and then hear about it firsthand, have then  
19 a full consult with the radiation oncologist to,  
20 you know, determine if this is, you know,  
21 appropriate for that patient, and what to expect.

22 It's a full consult with all the expectations  
23 you would have in terms of knowing what the  
24 patient's disease is, what their treatments have  
25 been and how we can participate in their care.

1 THE HEARING OFFICER: All right. Out of the 60 --  
2 well, maybe this is an inappropriate question.  
3 Let me just make it broader.

4 What proportion of self referrals do you  
5 expect would be appropriate for treatment?

6 THE WITNESS (Yonemoto): Well, there's two ways to  
7 answer that. One is during the initial contact  
8 phase there we can screen patients that may not be  
9 proton cases in the first place. Like leukemia is  
10 not treated regularly by radiation therapy  
11 including proton therapy. So those, we kind of  
12 refer them to other centers that may be more  
13 appropriate.

14 So the ones that do show up, the chances that  
15 they are appropriate candidates is very high,  
16 because we try to discourage people taking the  
17 time and effort and expense to see us if we didn't  
18 think that they had a cancer that was amenable to  
19 proton therapy.

20 So in terms of percentages, I would say  
21 90 percent of the folks we see typically qualify  
22 because we screen to make sure that they are good  
23 candidates before they show up.

24 THE HEARING OFFICER: All right.

25 The next question is, will you charge an

1 office visit or a consultation fee for  
2 self-referred patients, that 10 to 20 percent that  
3 do eventually come in even if they're not  
4 appropriate for proton therapy?

5 THE WITNESS (Yonemoto): That I'd would have to maybe  
6 get some help on -- I'm not familiar with the  
7 billing, but I do know, you know, typically with  
8 any physician office including radiation oncology,  
9 X-rays, and I assume protons would be -- yes, we  
10 do charge an office visit and consultation charge.

11 And those are fairly set by the insurance  
12 company and CMS on their rates and such. You  
13 know, that's being a highly regulated industry.  
14 Those are pretty well set.

15 And in fact, I believe we could run into  
16 problems if we don't charge or undercharge, or  
17 overcharge. There's a lot of parameters that we  
18 have to follow. And I'm sorry, I don't know if we  
19 could not charge someone. I'd love to, but I -- I  
20 don't have that answer.

21 THE HEARING OFFICER: I guess my question would be, for  
22 example, if somebody who's self-referred goes  
23 in -- well, even before they go in. Maybe they  
24 have a conversation with somebody at the office.  
25 Then they're screened to be possibly appropriate.

1 So they come in for their consultation, and  
2 they're one of that, kind of, 10 or 20 percent of  
3 people may be inappropriate for this type of  
4 treatment.

5 I'm just wondering if they're going to be --  
6 if their insurance is going to cover it because  
7 they self refer? We all know that there's a lot  
8 of different requirements for insurance companies  
9 to cover for certain types of treatment.

10 So we're just trying to get an idea of how  
11 this is going to affect people in terms of cost  
12 and access?

13 THE WITNESS (Yonemoto): Yes. Actually, thank you for  
14 the clarification. Most -- almost all the  
15 self-referral patients that I've seen, and  
16 typically seen in most practices are covered by  
17 the insurance companies, and CMS also.

18 It's, a lot of times, it's considered a  
19 second opinion. So those are typically covered by  
20 most insurance companies for -- at least the  
21 consultation, because that is something that is  
22 done quite frequently -- not just for protons, but  
23 for, say, surgery. You want a second opinion with  
24 a different surgeon. It's just the same process.

25 THE HEARING OFFICER: Do people usually seek out this

1 type of therapy as kind of like a second line of  
2 treatment? Because I'm thinking -- if I'm  
3 thinking like it's a second opinion, maybe they've  
4 been told that they need -- that either they can't  
5 be helped or maybe that they're inappropriate for  
6 more conventional radiation therapy, and I'm not a  
7 professional. I just want to make sure I  
8 understand.

9 THE WITNESS (Yonemoto): Yes. Well, the dynamics I  
10 think has changed dramatically in the last two  
11 decades because of the access to information, the  
12 Internet, social media and all these other ways to  
13 communicate information.

14 And yes, the -- typically most patients have  
15 seen another physician before they see us. Mostly  
16 the patient says, you know, they would see someone  
17 that does the biopsy, either a surgeon or an  
18 interventional radiologist. And then they talk to  
19 their primary care doctors and such.

20 And then they would ask what are, you know,  
21 what's next? What are my options? And a lot of  
22 them will check the social media and the Internet  
23 about their options. And if they -- they  
24 typically, a lot of them come across proton  
25 therapy when they're talking about radiation

1 therapy. And that's how the majority of the  
2 patients come in. That's typical for us.

3 THE HEARING OFFICER: Do many doctors recommend proton  
4 therapy for their patients?

5 THE WITNESS (Yonemoto): Oh, yes. Yes, they do. They,  
6 like I mentioned before, we're only less than  
7 1 percent of the physician population. So they  
8 tend to say, well, you need radiation therapy and,  
9 we'll let the radiation therapist, or you know,  
10 radiation oncologist help determine what type  
11 would be best.

12 And so we're referred to -- some centers have  
13 both, you know, protons and conventional. Some  
14 will have only conventional. Some will have  
15 protons, but if I feel someone needs conventional  
16 I will send them to that.

17 We obviously treat to the -- or recommend  
18 what's best for the patient.

19 THE HEARING OFFICER: Thank you.

20 Dr. Chang you wanted to say something?

21 THE WITNESS (Chang): Yeah, I was going to answer some  
22 of those specifics, as well as Dr. Yonemoto  
23 mentioned with the increasing access to  
24 information it unfortunately in one way has made  
25 everybody Dr. Google.

1           So as soon as anybody has anything they'll  
2 type in Google, you know, what's the treatment for  
3 this? Even if they've been seen by a physician  
4 it's rare that a patient will not even look up  
5 what condition they have.

6           And if they find something that they don't --  
7 have not been recommended, oftentimes they'll call  
8 up or just send e-mail inquiries as to whether  
9 they're a candidate. That -- that's part of the  
10 reason we often have a first screening just to  
11 rule out patient -- and unfortunately I get calls  
12 like this on a daily basis. People saying, you  
13 know, I've got this cancer. It's spread  
14 everywhere. Can proton help me? The answer is,  
15 unfortunately no.

16           And -- and that screen just helps patients  
17 not waste their resources and time trying to  
18 gather medical records, or traveling out to us to  
19 get treatments that are not going to be helpful  
20 for the overall situation.

21           But for many more candidates, that referral  
22 process then goes through a very regulated -- a  
23 system of collecting medical records and  
24 interfacing with the physicians.

25           The reason we've got this built up is

1 Dr. Yonemoto and I are part of a group of  
2 physicians that cover several different radiation  
3 facilities, including many proton centers in the  
4 United States. So I'm the President for our  
5 group, and through that we have a fairly robust  
6 insight into how referrals come.

7 I -- we see thousands of patients every year  
8 between all of our centers and we have  
9 metrics that break down the numbers of patients  
10 that find us through, you know, various search  
11 engine optimization, through whether it's Facebook  
12 or Google, or Microsoft Bing, or whatever the case  
13 may be; versus those who are referred by friends  
14 and family, those who come to us through  
15 organizations such as the Brotherhood of the  
16 Balloon.

17 And diving into it we believe -- and it's  
18 pretty fairly stable throughout all of our  
19 centers, that anywhere from 50 to 60 percent of  
20 the patients are -- are self referred. Many of  
21 them aren't necessarily even from radiation  
22 doctors.

23 One of the most common cancers, or the most  
24 common cancer in men in the United States is  
25 prostate cancer, and pretty much any patient will

1 tell you that as soon as they've been diagnosed  
2 the first thing they're told is because the  
3 diagnosis is by a urologist, they're told they're  
4 a surgical candidate and they should have surgery.

5 It's usually when they go searching  
6 themselves, they say, oh, radiation is an option.  
7 Then they'll see a radiation doctor whom they  
8 contact. At that point they might do more  
9 research into radiation because there is a variety  
10 of radiation techniques and tools.

11 And then someone will say, hey. There's also  
12 a proton tool, and so will contact a proton  
13 center. That's oftentimes how the patients who  
14 self refer are someone who's just looking for  
15 information for themselves and seeing it as a  
16 potential option.

17 So yes, we certainly have metrics that are  
18 able to count on a very granular basis where  
19 patients are coming from, referrals from the  
20 community, our affiliations with the various  
21 healthcare systems that we work with regularly and  
22 for each of our centers we have them broken down.  
23 And part of that is for our internal reference  
24 purposes. Right?

25 If we see, for instance, that geocaching for

1 web searches on Google is going to work well for  
2 getting people information they need, then we can  
3 divert more dollars to education that way.

4 If we have patients that are being referred  
5 quite regularly for second radiation from a  
6 healthcare system -- for instance, one of our  
7 major centers in San Diego, we get a lot of  
8 patients from Orange County. There's several  
9 hospitals there that send their patients here.

10 And so then we'll put on more educational  
11 seminars for them to inform the physicians and the  
12 community there what the benefits are, and  
13 likewise what -- what are not benefits so that  
14 those doctors don't call us on odd cases that  
15 would not be good patients and not give false  
16 hope, unfortunately, to other patients.

17 So those are all things that we as a group  
18 have developed over 20-something years of doing  
19 this, and in a variety of centers.

20 **THE HEARING OFFICER:** How are self-referral patients  
21 then transitioned? If they're appropriate  
22 candidates for proton therapy how are they then  
23 transitioned for follow-up care after proton  
24 therapy treatment? What happens after that?

25 **THE WITNESS (Chang):** It depends on the patient a lot

1 of times. For most patients who have radiation,  
2 regardless if it's proton radiation or X-ray  
3 radiation, most patients for followup go back to  
4 their primary oncologist, and that's usually the  
5 medical oncologist who's giving the chemotherapy.

6 I describe it to our patients as the medical  
7 oncologist is oftentimes the quarterback and they  
8 will oversee the entire care. Most radiation  
9 patients will come to us back on a yearly basis  
10 just for followup making sure that there's no  
11 other issues that crop up, but are primarily  
12 followed by the medical ecologist.

13 THE HEARING OFFICER: Is it the same kind of procedure  
14 for people who are referred to you by an  
15 oncologist?

16 THE WITNESS (Chang): That's correct.

17 THE HEARING OFFICER: Okay. I think right now is a  
18 good time to actually stop and take a break. It's  
19 almost one o'clock.

20 Before we break, though, I just want to defer  
21 to Attorney Hardy and also Leslie Greer. I'm not  
22 sure if she's still on, but just to see if there  
23 are any public officials that need to make  
24 comment.

25 I'm just going to open up my screen here.

1 MR. HARDY: Yeah. Thank you. The public officials  
2 that I'm aware of that intend to speak intend to  
3 do it in the --

4 THE HEARING OFFICER: Afternoon?

5 MR. HARDY: (unintelligible) -- yeah.

6 THE HEARING OFFICER: So what we'll do now is we are  
7 going to take a break from 1 until about 1:45.  
8 I'm just going to make the announcement to just  
9 make sure that you turn your camera off and your  
10 mic off, because we're still going to record.

11 And we'll come back and we'll finish up OHS's  
12 questions. And we'll kind of go off so people who  
13 want to speak can register at three, and then  
14 we'll go into the public comment portion of the  
15 hearing.

16 Thanks everybody.

17  
18 (Pause: 12:59 p.m. to 1:46 p.m.)  
19

20 THE HEARING OFFICER: So we're back on the record. I'm  
21 going to go ahead and turn it over to Brian Carney  
22 who is going to go through the remainder of the  
23 questions.

24 MR. CARNEY: Good afternoon, everybody. We had a good  
25 lunch.

1           So the first question is kind of somewhat  
2 related to with those sort of same access of  
3 service area. The application, the same page we  
4 referred to before, Exhibit C, Bates page 1297,  
5 states that, Danbury Proton has initiated  
6 discussions with Nuvance Health towards a  
7 potential association for patient referrals from  
8 its Connecticut and New York-based facilities.

9           So my question is, what progress has been  
10 made, if any, with Nuvance in regard to this  
11 potential association?

12 **MR. HARDY:** Good afternoon. I think Steve Courtney may  
13 be the right starting point for that.

14 **THE WITNESS (Courtney):** Actually Drew Crandall might  
15 be the better response, but we a in conversation  
16 with him. He's had the most recent conversations  
17 with them just before, you know, a couple of weeks  
18 ago when we were preparing for this organization  
19 to see if they were ready to make, you know, a  
20 definitive conversation about things.

21           They continue expressing interests, much as  
22 we get from everyone. We did get a bit more from  
23 them at ECHN. Their president of their cancer  
24 program actually provided a support, as you may  
25 have seen.

1           We're also in conversations, from an economic  
2 point of view, with the New York Medical College  
3 in Valhalla. The chancellor there reached out to  
4 us. We didn't reach out to him -- and very  
5 interested with working with their -- them in  
6 placing, you know, residents at our facility which  
7 is -- which will be nice as well.

8           Again what we anticipate -- and Dr. Yonemoto  
9 has referred to this as well as Dr. Chang many  
10 times, is once -- once the market knows that's  
11 there, that you're real, you have a CON approval,  
12 you've broken ground, there will be all kinds of  
13 interests in performing associations, if you will.

14           We -- we are going to steadfastly avoid  
15 anything that ties us up, if you will, that that  
16 makes us exclusive to any healthcare system,  
17 because again we're there to treat the region and  
18 we do not want to exclude anyone from any  
19 facility. Whether they're private physicians or  
20 tied into hospital practices, we want to be  
21 available for all.

22 MR. CARNEY: Okay. Thank you.

23           The next one I think I pretty much know the  
24 answer, but I'll just ask anyways. I don't think  
25 you're currently affiliated with any research

1 facility or medical school within Connecticut at  
2 this time?

3 THE WITNESS (Courtney): No, we -- we have not. We  
4 certainly intend to speak to UConn. I -- I've  
5 actually been remiss a bit in that. Nancy Wyman  
6 is a close friend and I know she has very strong  
7 connections there as well, and that will be of  
8 interest to the kind of research we're looking at.

9 The medical college in New York is obviously  
10 interested in that research connection as well.  
11 And frankly, every patient that comes into our  
12 facility, we'll be asking them if they're  
13 interested in being part of a clinical trial.

14 The more data we can gather from our patients  
15 as -- as they come back over the years is very,  
16 very instructional. Just like Bob not having to  
17 go to his urologist, we actually encourage them to  
18 at least keep -- keep in touch with the doc that  
19 cured them of their -- of their cancer once in a  
20 while. And particularly if they're on clinical  
21 trial that follow-up treatment is very, very  
22 important so that we can take down that data,  
23 particularly that quality of life data that we  
24 think is so important.

25 MR. CARNEY: Okay. And just finally, you did mention

1 another, another health system has reached out to  
2 you in the form of ECHN.

3 How about individual physician providers in  
4 the area? Do you have any ongoing, sort of you  
5 know, relationships with the existing physicians  
6 in the Danbury area?

7 **THE WITNESS (Courtney):** We have not reached out. The  
8 Independent Physicians Association in Connecticut  
9 is 7,000 members strong. It's one of the reasons  
10 why we have a hefty marketing budget in our  
11 project, because we plan to actually visit as many  
12 of those independent physicians as we can.

13 Obviously, not all of them are oriented  
14 towards radiation oncology, but a good number are.  
15 And so those independent practices will be very  
16 important to us, and important to them as well.

17 **MR. CARNEY:** Okay. Very good. Thank you. My next  
18 question is sort of related to financial  
19 feasibility. So I'll begin.

20 The proposal has a capital expenditure in  
21 excess of \$80 million. Explain how the proposal  
22 will be funded? I guess we'll start with that.

23 I've got some sub questions, too. But --

24 **MR. HARDY:** Dave, you want to jump in on that one?

25 You're muted, Steve.

1 THE WITNESS (Coma): And that was such a brilliant  
2 insight before I unmuted such.

3 The planned financing mechanism is to use  
4 taxes on debt, which there's substantial precedent  
5 with that with some of the other facilities and in  
6 our markets generally.

7 The municipal market, as you guys probably  
8 well know, specializes in a public-private  
9 partnership and, you know, facilities that are  
10 primarily for the public good. And so market  
11 investors are well versed in projects like this  
12 and this technology.

13 Basically we would -- we would do a couple  
14 things. We would prepare an offering statement  
15 and then market to institutional investors, many  
16 of which you've heard of, Nuveen, Invesco,  
17 Franklin, Pacific Investment Management; all have  
18 been investors in similar type facilities.

19 And then project participants are also  
20 planning on contributing. Mevion, for -- for  
21 instance, and some of the other project  
22 participants will also be purchasing debt that  
23 will take a subordinate position in -- in the  
24 transaction. And the expectation is the  
25 combination of the institutional investors with

1 the -- with the largest part -- portion of the  
2 offering and then the subordinate investors will  
3 provide a hundred percent financing for the  
4 transaction.

5 MR. CARNEY: Would those institutional investors  
6 represent private equity investors?

7 Is that the same?

8 THE WITNESS (Coma): It's typically not private equity.  
9 It's institutional investors that have big  
10 municipal mutual funds. So Nuveen would be a good  
11 example. So they have a big tax exempt -- many  
12 tax-exempt mutual funds, high-yield. So for  
13 unrated transactions all the way through, you  
14 know, very high investment grade.

15 And there are a number of institutions like  
16 that, so -- and we market just to the institution.  
17 We would not sell this to individual retail  
18 investors just given the, you know, the initial  
19 risk of the transaction that's not  
20 investment-grade.

21 But the institutional investors, like I said,  
22 have extensive experience in similar transactions.  
23 There's about, you know, by our count ten other  
24 facilities, ten other proton centers have been  
25 financed using the tax-to-debt markets.

1           And then many, many hospitals, senior living  
2 facilities; we just did a financing in the fall  
3 for a series of AIDS clinics. So the market is  
4 familiar with these types of transactions, and the  
5 risks -- and are, you know, very good at  
6 evaluating the strength of the -- of the  
7 transaction and the investment.

8 MR. CARNEY: Okay. So if I'm clear, there's no private  
9 individual investors that are part of the  
10 8-million-dollar funding?

11 THE WITNESS (Coma): Correct.

12 MR. CARNEY: And the institutional investors that  
13 you're talking about are not lined up just yet.  
14 Right?

15 THE WITNESS (Coma): Correct. We've introduced them to  
16 the project -- the process just to, you know, as  
17 we would prepare, you know, an official offering  
18 document. Counsel helps prepare that and it  
19 contains, you know, another voluminous description  
20 of the project, description of the -- of the  
21 actual bonds that we're going to sell.

22           And then it would be the -- the feasibility  
23 study would be incorporated as part of that. So  
24 they could review financial projections and the --  
25 and the third party, third-party's view of the

1 transaction. And then we present that to  
2 investors and then they make an investment  
3 decision once they've had the opportunity to  
4 review that, that.

5 THE REPORTER: Could that last speaker identify  
6 themselves? I'm sorry. I just have Steve on the  
7 screen.

8 THE WITNESS (Coma): Sure. Last name is Coma, C-o-m-a.  
9 And I'm with Hilltop Securities.

10 MR. CARNEY: So that, just the 80 million would be  
11 split up amongst different institutional  
12 investors, more or less?

13 THE WITNESS (Coma): Exactly right. Yeah, exactly  
14 right.

15 MR. CARNEY: Okay. All right. Thank you very much.

16 The next question I have relates to cost  
17 effectiveness. Bates OHS page 15 of the prefilled  
18 testimony states that, although the initial  
19 expense of proton radiation therapy is currently  
20 more than comparable to photon radiation therapy,  
21 that expense is offset by long-term savings  
22 associated with fewer side effects and  
23 quality-of-life impacts for the patients receiving  
24 it.

25 So my question is, have there been any sort

1 of financial studies that have been completed that  
2 have been able to quantify these long-term cost  
3 savings? I mean, it makes sense that, you know,  
4 with fewer side effects and, you know, not getting  
5 some other type of cancer could potentially lower,  
6 you know, overall costs or long term.

7 But are there any particular studies that  
8 have actually quantified a number to provide,  
9 like, hard evidence of that, of that amount?

10 THE WITNESS (Courtney): I'm not certain where to start  
11 that, that response because all of us are attuned  
12 to that in some fashion or another. My initial  
13 though was maybe to get Deb to respond, because  
14 she had done such a nice job of looking at that  
15 particular piece and had also submitted some more  
16 recent studies for that in this lattice -- latest  
17 submission that we gave to you.

18 The biggest trick there is time, because  
19 the -- we need, you know, 10, 15 years, you know,  
20 to see what those side effects might be causing  
21 problems for. The immediate short-term things are  
22 more clear, but the long-term ones are -- are you  
23 need to wait, and those studies are -- are in  
24 process.

25 We -- we do know that the younger you are the

1 more important it is, because if you have cancer  
2 when you're 40 and you're cured of your cancer,  
3 you don't want your -- your cure mode to impact  
4 you, you know, 20 years down. You're still a  
5 young person at 60.

6 So the younger you are the more important it  
7 is that really you avoid that excess radiation,  
8 what we call radiation pollution. It's, you know,  
9 it's just -- it's just radiation that's not doing  
10 you any good. As a matter of fact, it can only  
11 hurt you.

12 But there are studies and we can point to the  
13 ones that are ongoing. I can't remember  
14 specifically if the -- the more recent studies  
15 that we sent to you which were about 215 --  
16 because these, these are ongoing. They keep  
17 coming. You know, every week we get a new one.

18 And so -- and in all of them, none of them  
19 point to the fact that the alternative methods are  
20 going to be less expensive. It's definitely with  
21 proton. And again, with the advent of  
22 hypofractionation and actually being able to take  
23 the number of treatments for, say, prostate  
24 that -- which is normally around 44. And if you  
25 can cut that in half, all the sudden you can treat

1 two patients in the amount of time that you used  
2 to treat one patient. So obviously the costs come  
3 down for treatment.

4 And in conventional radiation you have -- you  
5 have no option for hypofractionation because it  
6 just -- it treats too much healthy tissue coming  
7 in and out, but because we can limit where the  
8 radiation is on protons. I can increase that  
9 dosage and shorten the period of time for treating  
10 and not hurt healthy tissue.

11 THE WITNESS (Chang): This is Dr. Chang. I was going  
12 to add that probably one of the strongest studies  
13 that specifically looked at the financial impact  
14 came from the MD Anderson group that is currently  
15 at the University of Texas. And they made a  
16 proposal to the University of Texas healthcare  
17 system -- which has about 130,000 employees  
18 there -- to say, allow us to treat with proton  
19 therapy and do case cost analysis for the entire  
20 case of treatment with the patients that are  
21 treated with protons.

22 And so specifically in this particular case I  
23 was looking at head and neck cancer, as this is  
24 Dr. Frank's primary area of treatment. And in  
25 doing so over a period of April of 2016, for the

1 next three years they tracked the numbers of  
2 patients they were able to treat with protons  
3 compared to their equivalent patients that were  
4 treated with X-rays.

5 And in that time period they did see a total  
6 cost savings in just that three years -- so we're  
7 not talking about long terms, but in those three  
8 years of patients that were treated with protons,  
9 having a lower overall cost by 21 percent.

10 When they looked at the amount of money that  
11 was spent on additional visits to the emergency  
12 room, pain control, the need of placement of a  
13 feeding tube as compared to half of those that did  
14 not need placement of a feeding tube. And because  
15 of those cost savings the University of Texas  
16 system has now approved that all patients that  
17 would qualify for proton therapy for head and neck  
18 cancers will get treatment with protons.

19 If I'm able to share a screen, I'm happy to  
20 show the slides that he presented and showed these  
21 cost savings were, just in that three-year period,  
22 accurate.

23 MR. CARNEY: Yeah. I mean, maybe. Maybe you could  
24 share that with us, Dr. Chang, like, as a late  
25 file? Or would that be possible?

1 THE HEARING OFFICER: Yeah. What I was going to  
2 suggest is, so at the end what we generally do is  
3 we have a discussion with counsel to determine  
4 whether or not there should be late files  
5 submitted. So it may be one of a few late files  
6 that we're going to ask for.

7 And so if there's just like a short summary  
8 that you could provide in addition to the study,  
9 it would be helpful to us.

10 THE WITNESS (Chang): Okay. Yeah. It's just -- it's  
11 like five slides here, and then he broke -- breaks  
12 it down by the costs from these various different  
13 areas, aside from the radiation; the emergency  
14 room visits, the internal medicine visits, the  
15 laboratory tests, the pharmacy and diagnostic  
16 imaging.

17 And when all calculated, it was savings if  
18 you accounted for all the extra visits that were  
19 saved from not going to the emergency room, not  
20 needing pain medications, not needing a feeding  
21 tube placed.

22 So I'll send those over to you.

23 THE HEARING OFFICER: Thank you, Dr. Chang.

24 THE WITNESS (Chang): You're welcome.

25 MR. CARNEY: All right. My next question is actually

1 for Mr. Courtney based on his prefiled testimony.

2 Mr. Courtney, on page 89 you state that,  
3 assuming both treatments rooms are approved it  
4 will prevent a state monopoly for the service,  
5 which when combined with billing transparency will  
6 serve to keep healthcare costs down in Connecticut  
7 and likely improve competitive quality for  
8 patients.

9 So the first part of my question is, please  
10 elaborate on your statement and specifically  
11 address how two new proton therapy facilities  
12 combined with billing transparency would serve to  
13 help keep healthcare costs down in Connecticut?

14 **THE WITNESS (Courtney):** Certainly. Well, as you know  
15 throughout the healthcare industry transparency  
16 has become a crucial element, and there's lots of  
17 hope for that -- although so far the customer, if  
18 you will, the patient has not responded  
19 significantly to the information that has been  
20 made available.

21 So that the transparency piece is -- is, I  
22 think, to some extent a hope that patients respond  
23 to that. More often they respond to other  
24 considerations than, you know, with somebody's  
25 treatment being \$5,000 less than someone else's.

1 But I do think over time those, that transparency  
2 consideration will make -- make a difference.

3 In terms of monopolies are not -- there's  
4 just a capitalistic commonsense notion there that  
5 if there is just one facility in the state there's  
6 not a lot of control over what -- what might  
7 happen there.

8 Massachusetts has a case in point. MGH  
9 charges an arm and a leg, frankly, for the  
10 treatments that they -- they give there. And they  
11 have absolutely no motivation to change that in  
12 any fashion. There's no competition to MGH, and  
13 politically they've been able to keep others out.

14 So it's -- that's -- that's something that  
15 not only contributes to the cost of the facility,  
16 but we think it will impact the quality as well.  
17 You know, more and more patients are asking, you  
18 know, what were the results?

19 Well, how did you do? You know? You know,  
20 on your prostate cancer how did they do? Your  
21 breast cancer, how many of your patients did well  
22 and how many didn't? And we think that kind of  
23 transparency might be more significant than price  
24 transparency.

25 MR. CARNEY: And just one quick followup. So would the

1 approval of both proposals lead to any direct  
2 reduction in the cost for proton therapy services?  
3 And if you think so, explain how that would occur?  
4 Or would it be more of a limiting of increases?

5 THE WITNESS (Courtney): These, these services are  
6 negotiated with the Medicare provider, if you  
7 will, the -- and I would expect that they will  
8 have very similar pricing structures.

9 But it's certainly -- if we didn't have two  
10 facilities there would be less energy around  
11 having those numbers be as reasonable as possible.

12 The same thing with the commercial carriers  
13 as well.

14 MR. CARNEY: All right. Thank you very much.

15 That's all the questions that I have.

16 THE HEARING OFFICER: I think I had a couple of  
17 followup questions, but I just wanted to ask some  
18 of them. You all did answer, but I just want to  
19 go back and make sure that I got everything.

20 So I just want to understand for the record.  
21 If proton therapy -- I think somebody said there  
22 was 41 percent retreatment of patients in proton  
23 therapy, and I'm just trying to understand if this  
24 is a type of therapy that is routinely offered to  
25 patients as a first kind of line of defense when

1           somebody gets a diagnosis of cancer, for the  
2           cancer types that you all are anticipating will be  
3           treated.

4   **THE WITNESS (Yonemoto):** (Unintelligible.)

5   **THE REPORTER:** This is the Court Reporter. I've got  
6           some feedback here.

7   **THE HEARING OFFICER:** Okay. I think it's me. I'm  
8           going to mute myself. I see Dr. Yonemoto is going  
9           to answer.

10   **THE WITNESS (Yonemoto):** There we go. Thank you.

11           Most re-treatments is now, by definition,  
12           after prior radiation, therapy and retreatment  
13           means in the same area that was given radiation  
14           before either with X-rays or protons.

15           And when they retreat -- the normal tissue,  
16           what we call, remembers the prior treatment and  
17           the side effects go up accordingly like it --  
18           that's what kind of restricts us in terms of how  
19           much radiation we give in the first place. If we  
20           give additional there's more chance of an  
21           increased severity and incidence of side effects.  
22           Using protons reduces that.

23           It's typically not something you initially  
24           talk to patients about when you first see them.  
25           You just say, let's just try to get this cured or

1 controlled in the first place. And then the  
2 referral back, or if you're following them and you  
3 see that the disease hasn't been controlled, or a  
4 new site of cancer or a different cancer in the  
5 same area occurs, then we approach them about  
6 being part of the multidisciplinary team of  
7 medical oncology with chemo; we'll have the  
8 surgical colleagues and radiation.

9 And we tend to use protons for that because  
10 whenever you do a retreatment it's more complex  
11 and more fraught with side effects, and try to  
12 minimize that. So yes, we don't mention at the  
13 beginning. We do mention if it reoccurs or  
14 another cancer occurs in the same area.

15 **THE WITNESS (Chang):** I wanted to clarify what  
16 Dr. Yonemoto is saying, is that's a specific  
17 reference to reradiation.

18 But if -- I understand your question as well,  
19 as aside from those patients, is proton therapy  
20 also a first-line treatment for cancer? And it  
21 is, yes. It is also a first-line treatment. But  
22 for those who did not get it or for those who have  
23 had cancer come back, it can -- at that point it  
24 becomes the last line treatment because of its  
25 precision, but that precision also makes it a very

1 good first-line treatment for those who have  
2 access to it.

3 THE HEARING OFFICER: Thank you both.

4 I think this question is actually for you,  
5 Dr. Chang. You were talking about the UK actually  
6 sending patients here. Can you tell me for what  
7 time period that was occurring, or if that's  
8 something that's still occurring and why that  
9 happens?

10 THE WITNESS (Chang): Sure. So the UK being a system  
11 that recognizes that any long-term side effects  
12 caused by treatment is something that the society  
13 is going to, in essence, pay for literally with a  
14 national healthcare system for the entirety of the  
15 patient's life.

16 Their timeframe is much longer than that of  
17 the typical patient in the United States where  
18 unfortunately if someone who is 60 years old and  
19 has a side effect in five years, that commercial  
20 insurer is not paying for that side effect and it  
21 becomes a Medicare taxpayer responsibility at the  
22 time.

23 Before the United Kingdom any patient that  
24 has any side effect at any time point the entire  
25 system pays for it. And so they're very much

1 focused on that specific question, what is the --  
2 not only the quality of life for the patient, but  
3 what is the financial cost throughout the system?

4 And as such they recognize that at the very  
5 beginning the greatest benefit are those in the  
6 pediatric population, because if cured of cancer  
7 that's decades worth of side effects that can be  
8 avoided.

9 And so realizing that, they started saying  
10 that we are going to identify patients that are  
11 going to benefit most from proton therapy and  
12 start sending them to places that can provide that  
13 treatment for them.

14 And so initially the first patients that  
15 were -- this program was instituted was, I  
16 think -- I believe in two thousand and -- I think  
17 2010 or '11, with a very specific area of  
18 diagnosis, particularly brain tumors under -- in  
19 patients under ten years of age. And every year  
20 they would add to that and grow the indications  
21 and their program was able to grow and support it.

22 At first those patients were sent to Paris  
23 where the closest proton center was, but because  
24 of cultural differences and language and stuff  
25 they realized it was easier to send to the United

1 States where the culture background and language  
2 was easier on the patients that were traveling.  
3 And so they started sending them out to us.

4 In that time period the United Kingdom was  
5 also planning to build their own proton centers,  
6 but because of the, again, time in planning and  
7 developing these centers, not to mention the  
8 physical limitations of London and Manchester, and  
9 just securing a site that could build the center,  
10 it took them many years.

11 The plan was always that they would help  
12 provide that treatment to the patients in the  
13 United States until such time that those centers  
14 were built in the United Kingdom themselves. And  
15 so they started the first center in Manchester at  
16 the Christie Hospital -- I believe it was 2018 or  
17 '19. With the COVID years, the years are blending  
18 together now. I can't remember exactly when it  
19 was, but until about 2018 or '19 those patients  
20 then were -- started being able to be treated back  
21 at home instead -- in essence and not having to  
22 transplant their families.

23 So it was between about 2010 or '11 when it  
24 first started for six and a half, seven years.  
25 That numbers -- grew until the last portions of

1 the years. So about 120 patients per year they're  
2 sending out to the United States, and now that's  
3 substantially decreased now that they have  
4 their -- their first center in Manchester.

5 There's still a few that come out. I -- I've  
6 actually got a patient right now from the United  
7 Kingdom with me in San Diego that I treated a few  
8 years ago that they can't get treatment still. So  
9 they're out here with me. And then a few  
10 patients, for instance, from Poland that are out  
11 here, as Poland is looking at building their  
12 centers. The same with Australia, but it takes  
13 many years.

14 The system initially was set to say, let's  
15 find out the patients that will benefit greatest,  
16 meanwhile their physicians at home are able to  
17 learn the indications that are benefiting most for  
18 those patients and training their doctors, and  
19 their doctors came to the United States, and their  
20 physicists came out to -- to get training in it  
21 such that when their system has now opened they're  
22 able to keep those patients at home.

23 THE HEARING OFFICER: Thank you.

24 THE WITNESS (Yonemoto): My note, too, in that context,  
25 Michaela, that Canada's does not have its own

1 facility. And so they are sending their patients  
2 here as well.

3 THE HEARING OFFICER: Thank you.

4 All right. The next question is for  
5 Mr. Crandall. Mr. Crandall, in your testimony you  
6 quoted that you talked to 25 men -- I guess in  
7 the, I don't want to assume northeastern area of  
8 the U.S. Is in northeastern?

9 THE WITNESS (Crandall): Yes, it is. The 25 letters of  
10 support are posted on our website on the results  
11 page.

12 THE HEARING OFFICER: How did you arrive at the  
13 average 1,343 miles each way to travel for proton  
14 therapy? Only -- I'm asking that only because I  
15 know there's therapy centers in Massachusetts and  
16 New York. How did you get --

17 THE WITNESS (Crandall): Sure.

18 THE HEARING OFFICER: Basically let me just be more  
19 precise. Over what period of time were they  
20 seeking treatment, because that might also be  
21 relevant? And then just your methodology that I  
22 know will help me?

23 THE WITNESS (Crandall): Sure. I went through all 25  
24 letters, and I looked at their hometowns and where  
25 they're sending them for proton therapy. And then

1 I went on Google maps and typed in their home and  
2 the location of the proton therapy facility.

3 And that's how I got all the numbers. So  
4 it's like something like over 33,000 miles divided  
5 by 25, and that's how I get 1343.

6 THE REPORTER: I'm having real difficulty getting those  
7 numbers. I'm getting a lot of feedback. This is  
8 the Court Reporter.

9 THE HEARING OFFICER: I'm going to ask if you wouldn't  
10 mind repeating, Mr. Crandall. I'm going to mute  
11 myself because it seems like maybe it's my  
12 computer, so.

13 THE WITNESS (Crandall): Sure. What I did is I looked  
14 at each of the 25 letters of support and the men  
15 gave us their hometown and state. So then I  
16 started where they went for proton therapy, and I  
17 went on Google maps for all 25 of those letters of  
18 support. I typed in their hometown and then the  
19 city where they had proton therapy. That gave me  
20 a one-way trip to the -- the proton therapy  
21 center.

22 And so I -- I calculated all 25 men, how --  
23 how many miles they went to get their therapy, and  
24 it was something like 33,000 miles altogether  
25 divided by 25 equal to 1,343 average.

1           The actual distances they traveled ranged  
2           from 20 miles to 3,000 miles, but the average over  
3           the 25 men was 1,343.

4 **THE HEARING OFFICER:** Do you know from what time period  
5           they accessed treatment? Did that also vary?

6 **THE WITNESS (Crandall):** Well, there their number of  
7           treatments fluctuated, so their lengths of stay  
8           out of town varied, but other than that I didn't  
9           actually compile the timelines. I was more  
10          interested in the -- the travel distance.

11 **THE HEARING OFFICER:** I don't want to make an  
12          assumption. I'm not sure if I have this right.  
13          And I'm thinking Mr. Marckini was one of them?

14 **THE WITNESS (Crandall):** Yes. Yeah.

15 **THE HEARING OFFICER:** All right. And I just don't know  
16          if Mr. Marckini is still here, but I think he said  
17          he was treated about 20 years?

18 **THE WITNESS (Crandall):** Correct.

19           Now in those letters of support I think most  
20          of the men gave me the year they had treatment.  
21          So if it would be helpful to you I can re-crunch  
22          the numbers based on, you know, any of the men who  
23          shared letters of support where their therapy was  
24          the past five years or ten years.

25           If you would like me to that, I would be

1           happy to.

2   **THE HEARING OFFICER:**   So what I'll do after we go  
3           through all of the questions -- which is pretty --  
4           I only have a couple more.  I'm just going to  
5           confer with the team and we'll circle back and see  
6           what we need.  And then we'll talk to Attorney  
7           Hardy about it.

8   **THE WITNESS (Crandall):**  Sure.

9   **THE HEARING OFFICER:**  Thank you, though, for your  
10          responses.

11   **THE WITNESS (Crandall):**  You're welcome.

12   **THE HEARING OFFICER:**  All right.  Let me see what else  
13          I have.

14                 I just want to make sure -- the Court  
15                 Reporter, can you hear everything well?  I am not  
16                 muted, so I just want to make sure you're hearing  
17                 me okay.

18   **THE REPORTER:**  I hear you well -- but I believe you  
19                 were right.  I was getting a lot of feedback when  
20                 you had your microphone on.

21   **THE HEARING OFFICER:**  All right.

22   **THE REPORTER:**  I'm getting it now, as a matter of fact.

23   **THE HEARING OFFICER:**  I'm going to mute right now until  
24          I get to the next question.

25   **THE WITNESS (Courtney):**  Attorney Mitchell, while

1           you're doing that I can certainly add something to  
2           the miles question in terms of distance. I think  
3           what you'll find is there are a significant  
4           distances that had to be traveled early on in  
5           proton therapy, and it's certainly not that kind  
6           of average now.

7           I think a more accurate representation of  
8           that is a study that we included in our initial  
9           package to -- to your board from St. Louis which  
10          talked about -- and they tracked very precisely  
11          the distances patients traveled to -- to access,  
12          not only their proton services, but their photon  
13          services.

14          And the average treatment -- or the average  
15          distance people would travel to St. Louis in this  
16          case, and again, there were not a bunch of  
17          facilities around that they had a choice about --  
18          was 87 miles.

19   **THE HEARING OFFICER:** Thank you. So this is just kind  
20          of a clarification question for Mr. Melson.

21          Mr. Melson, were you able to hear me well?  
22          For some reason it flashed on my screen that I was  
23          muted.

24   **THE WITNESS (Melson):** No, I can hear you.

25   **THE HEARING OFFICER:** Okay. Perfect. So the question

1 that I have, it goes towards your statement about  
2 insurance coverage about the initial coverage of  
3 proton therapy in 1988, and then the fact that  
4 insurance companies weren't covering it as much,  
5 and now they're increasingly covering it.

6 Are you able to quantify how, how this change  
7 occurred in terms of the numbers, in terms of how  
8 it's increasing? Because that can be just a  
9 little. It can be a lot. I'm just trying to get  
10 an idea of how insurance companies are looking at  
11 this type of treatment, and how they're evaluating  
12 it.

13 THE WITNESS (Melson): Well first of all, I have to say  
14 that I'm not an expert in insurance coverage.  
15 That said, I have done research on the subject --  
16 and you can tell. This is on the Internet -- that  
17 if you look at various Insurance programs and the  
18 types of -- of radiation, proton radiation that is  
19 covered fluctuates, you know, from company to  
20 company to company. And that was just with  
21 several large insurers and I think one of them  
22 was Aetna.

23 In addition there was a lawsuit brought in  
24 nine -- 2019 against United Health which opened  
25 the way to coverage for proton. And there have

1           been several States, Virginia and a couple of  
2           others which have actually legislated their  
3           preference to use protons in -- in the appropriate  
4           cases.

5                     Does that help?

6   **THE HEARING OFFICER:** Yes, thank you.

7   **THE WITNESS (Boucher):** I might be able to add -- this  
8           is Lionel Boucher -- to add a little more  
9           information as it relates to Medicare and Medicare  
10          administrative contractors.

11                    So Medicare coverage is managed by the  
12          Medicare ministry -- administrative contractors,  
13          and when they started, they've been covering  
14          proton therapy since 2001. I lot of these  
15          Medicare administrative contractors who come back  
16          had local coverage determinations for proton  
17          therapy, and what we have seen over the past five  
18          to eight years is see these local coverage  
19          examinations expanding the coverage of proton  
20          therapy.

21                    We'll see also -- we have seen also some of  
22          the local coverage examinations being removed,  
23          giving access to proton therapy to Medicare  
24          patients based on the physician's -- physician's  
25          need, or the patient need based on the physician.

1           So we are seeing -- we have continued to see  
2 this evolution of the Medicare case. We see that  
3 also in private payer. Recently one of the  
4 private payer just assists on that, in covering --  
5 coverage for the -- now I apologize. I don't  
6 remember which one it was -- but coverage for  
7 either case or level, and we can provide that.

8           So we are seeing this increased coverage  
9 indication definitely on the Medicare case, but  
10 also in the private case.

11 **THE HEARING OFFICER:** Thank you.

12           Just one last question for you all, and it  
13 goes back to Mr. Boucher about -- it goes back to  
14 your testimony. And during your testimony you  
15 kind of give us an overview of the development of  
16 compact proton therapy, and you were talking about  
17 the number of proton therapy centers.

18           I think that we're up to, I want to say, 41  
19 in the U.S. at this time. And you said that the  
20 development of this has been very successful. And  
21 I just want you to talk to me about what you mean  
22 when you talk about it being successful.

23           How do you quantify success?

24 **THE WITNESS (Boucher):** Well -- you may want to mute  
25 yourself.

1           So the success for me is always first from a  
2           clinical standpoint, and I can make this statement  
3           based on publications that have been published  
4           based on the increased numbers of institutions  
5           joining the multi-institutional registry that  
6           exists. So increased numbers of all of these  
7           institutions, increased numbers of patients  
8           receiving proton therapy. And I see that when I  
9           travel, and I see pediatric patients being  
10          treating like other patients. And I see that when  
11          they do have customers.

12           I see that when I talk to physicians about  
13          technology, that are telling me, like, I mean,  
14          proton has changed a lot of the way I'm managing  
15          these patients. I feel like at least 25 percent  
16          of the patients I've seen can benefit from proton  
17          therapy.

18           So I -- I quantify that, the qualifications  
19          is first for a clinical standpoint, and also after  
20          the number of publications that have significantly  
21          increased.

22           For the financial standpoint it's, you know,  
23          we have seen several large proton centers  
24          multiroom -- 200 million, 250, 300 million in  
25          those going through refinance. None of them have

1           ceased operations. There's only one center that  
2           ceased operation, but not from a financial  
3           standpoint. So that's the University of Indiana.  
4           It's -- it's for other reasons, because of  
5           technology.

6           But none of the centers have -- have ceased  
7           operations, but they went for refinance because  
8           they were -- their operation was being drained  
9           down, or brought down by the heavy investment that  
10          they had put in the payments.

11          So refinancing, none of the single-room  
12          centers have required refinancing. So today we  
13          have 20 to 30 proton centers; 20 -- 15 to 20 are  
14          single room, and none of these single-room compact  
15          centers require refinancing.

16          The success is really, for me, in looking at  
17          how proton centers, compact proton centers are  
18          operating from a financial standpoint, and none of  
19          them have required funds.

20   **THE HEARING OFFICER:** Thank you. I don't think I have  
21          any other questions. I'm going to ask Brian and  
22          Roy if you have any follow-up questions that maybe  
23          I might have missed?

24   **MR. WANG:** I do not.

25   **THE HEARING OFFICER:** Okay. So what we'll do now,

1 Attorney Hardy, if there's nothing else that you  
2 want to present, what we'll do is I'm going to  
3 have a conversation with Brian and Roy offline,  
4 and we'll talk about some possible late-file  
5 documents that we'll request from you.

6 I think that we can go off the record until  
7 about four when we take public comment. And at  
8 that time when we go back on the record we'll just  
9 talk about some of the documents that we're going  
10 to require and we'll figure out the time  
11 constraints for them.

12 Let me just ask you, is there anybody that  
13 you want to have give public comment or any  
14 additional testimony that you would like us to  
15 hear before we go off?

16 MR. HARDY: So we don't have any additional testimony.

17 I was able to (unintelligible) video.

18 THE HEARING OFFICER: Oh, okay.

19 MR. HARDY: It's a minute twenty.

20 THE HEARING OFFICER: That's fine.

21 THE REPORTER: I'm having difficulty understanding the  
22 speakers.

23 MR. HARDY: If you give me (unintelligible) play that.

24 So that's all we have by way of testimony and we  
25 are aware that (unintelligible) tend to make

1 public comment later this afternoon.

2 MR. CARNEY: Okay. Attorney Hardy, you should be all  
3 set.

4 THE HEARING OFFICER: Before you start sharing, I just  
5 want to make sure I've got it right that, Aubrey  
6 and Grace Eline are going to testify first?

7 MR. HARDY: Yes. Thank you. So (unintelligible) line  
8 them up to be ready to go (unintelligible).

9 THE HEARING OFFICER: Okay. All right. I'm going to  
10 mute myself.

11 THE REPORTER: Are we off the record?

12 THE HEARING OFFICER: We're not off the record yet, no.

13 THE WITNESS (Courtney): I can't hear the music that is  
14 with it, but that's okay.

15 Here we take the roof off the building. You  
16 can take a peek inside. You can see the CT sim as  
17 well as the Mevion gantry.

18 We put the roof back on and then we peel away  
19 the earth here, we cut the building in half.

20 Then we go into X-ray view which shows all  
21 the internal systems, the mechanical/electrical  
22 systems. All the construction documents are ready  
23 for this. We can actually start construction next  
24 week.

25 And that's our all-important evening view.

1 THE HEARING OFFICER: Mr. Courtney, thank you for  
2 narrating for us. Appreciate that.

3 All right. So at this time I'm going to  
4 double check. Attorney Hardy, anything else that  
5 you want us to know before we go off?

6 MR. HARDY: No, just in terms of when we go over the  
7 late-file information. I would like to note that  
8 we would like to supplement the record.

9 THE HEARING OFFICER: Oh, okay. Sounds good. All  
10 right. So we're going to go off the record until  
11 four o'clock.

12  
13 (Pause: 2:32 p.m. to 4:01 p.m.)

14  
15 THE HEARING OFFICER: All right. So we are going to go  
16 back on the record. My name is Michaela Mitchell.  
17 I'm the Hearing Officer in this matter. I just  
18 want to take care of some administrative stuff  
19 with Attorney Hardy before we get to the public  
20 comment, and then we can go ahead and proceed with  
21 that.

22 So Attorney Hardy, there are two late files  
23 that we are going to be requesting from you, and  
24 once I tell you what they are you can let me know  
25 how much time you need.

1           So we're interested in seeing the study that  
2 Dr. Chang cited. It was a Texas study regarding  
3 the cost savings for the use of proton therapy  
4 versus more conventional therapies. And then just  
5 kind of like a brief summary of results. It  
6 doesn't have to be that long, just summarizing the  
7 points that he was making with regard to the  
8 slides.

9           And then in addition to that, the second item  
10 that we wanted you to produce for us is a  
11 breakdown of projected volumes for years 2023,  
12 2024, and 2025 by cancer type. So when you  
13 provide the volumes just make sure that you  
14 provide the methodology, or you have your clients  
15 provide the methodology that they use to actually  
16 arrive at those numbers.

17           And then the last two things that I wanted to  
18 mention before you tell me how much time you might  
19 need is, I wanted to take administrative notice of  
20 our APCD, which is our all payer claims database  
21 that allows us to take a look at data, at claims  
22 data regarding certain services in the state.

23           I don't know that we will absolutely use it,  
24 but if there's anything that we use in the  
25 decision we'll make sure that we present it to you

1 and give you an opportunity to comment on it  
2 beforehand. So I wanted to take administrative  
3 notice of that.

4 And also wanted to administratively notice  
5 the Connecticut Proton Therapy Center application  
6 which is 19-3239 CON.

7 So Attorney Hardy, do you know about how long  
8 about it might take for you to produce this  
9 information? Do you need a week or two?

10 MR. HARDY: Yeah. Thank you, Attorney Mitchell. We  
11 can provide the requested materials by next  
12 Friday, which is April 9th. We certainly have no  
13 issue with the matters that you wish to take  
14 administrative notice of, as you indicated.

15 We would like to file a written response to  
16 the letter submitted as public comment by Yale New  
17 Haven Health and Hartford Health, which we will  
18 include with our April 9th filing.

19 THE HEARING OFFICER: Okay.

20 MR. HARDY: And I wanted to thank you and your staff  
21 for accommodating us today particularly  
22 with regard to the slides this morning. That was  
23 very helpful, and so thank you for that.

24 THE HEARING OFFICER: No problem. So I think we're all  
25 set. We're going to get everything by April 9.

1 If you need an extension, let me know.

2 And then I was wondering about a thing that I  
3 thought that I needed -- but I think we're all  
4 set. I'll remember it if there's anything that I  
5 need to and before we go off the record.

6 So I just wanted to make a brief comment  
7 about how we're going to proceed with the public  
8 portion of the hearing.

9 So we'll call the names in order of how  
10 people signed up, or how people registered. If we  
11 miss anyone, please utilize the raise-hand  
12 function. It's our practice to let  
13 administrative -- not administrative, to let  
14 administrative officials and public officials go  
15 first.

16 So we have three that are on the list, and  
17 I'll actually read the entire list so that if  
18 there's anybody that we missed that's here that  
19 wants to speak, I just want you to utilize the  
20 raise-hand function and we will get to you and  
21 make sure that you get on our list.

22 The speaking time is going to be limited to  
23 three minutes. Don't be dismayed if we stop you  
24 prior to the conclusion of your statements. I'll  
25 give you a warning to let you summarize. We just

1 want to make sure that we give everybody the  
2 opportunity to speak, and we want to make sure  
3 that we're fair so that everybody gets the same  
4 amount of time.

5 Additionally, we strongly encourage people to  
6 submit any further written comments to us either  
7 by e-mail or mail no later than -- we're going to  
8 go to April 8th of 2021.

9 Actually, you know what? I'm going to change  
10 that. We're going to go to April 9th of 2021,  
11 because we're going keep it open anyway to receive  
12 additional information from the Applicants. So if  
13 anyone wants to submit any written comments they  
14 can do so.

15 Our e-mail address is C-O-N -- like  
16 certificate of need -- it's CONcomment@CT.gov. So  
17 you can send those in to us. Again, our contact  
18 information is on our website. If you need to  
19 take a look at that we're also going to also post  
20 the recording on the website. The recording and  
21 the transcript are going to include all public  
22 comments.

23 I just want to thank everyone in advance for  
24 taking time to be here today and for your  
25 cooperation.

1           Everyone should make sure that all of their  
2 devices are muted while other people are speaking.  
3 If not, I may have to go in and mute you. But if  
4 you're having any problems just make sure that you  
5 utilize the raise-hand function. I will  
6 acknowledge you as soon as I can.

7           So the list that I have is as follows. I  
8 have -- please forgive me and also feel free to  
9 correct me if I mispronounce your name, but I have  
10 Mayor Cavo, Representative Callahan, Senator  
11 Kushner, Aubrey Eline, Grace Eline -- Brad, and I  
12 think it's G-U-T-E, Gute. Marshall Rankowitz,  
13 Rich Obarowski.

14           I believe that this is Mr. McInerney. And  
15 then I have Dr. Salner, Dr. Andy Salner.

16           Is there anybody else that I have missed  
17 that's not on the list? Please utilize the  
18 raise-hand function.

19           I see Ken -- got it. Representative -- is it  
20 Gucker? Is that how you say it?

21           You can unmute yourself.

22 MICHAEL RELL: I can say Representative Gucker will be  
23 joining shortly.

24 THE HEARING OFFICER: Okay.

25 MICHAEL RELL: He is in another meeting right now. He

1           just sent a message that he will be joining.

2   **THE HEARING OFFICER:** Thank you.

3           So I'll have him go, if he's here, after  
4   Senator Kushner.

5           All right. So we will go ahead and get  
6   started with Mayor Cavo.

7   **MAYOR JOSEPH M. CAVO:** Thank you, Michaela. I  
8   appreciate that. And good afternoon, ladies and  
9   gentlemen. And it's my pleasure to be here today  
10   to testify on the certificate of need for Danbury  
11   Proton.

12           Distinguished members of the Office of Health  
13   Strategy, and Hearing Officer, it is my pleasure  
14   to testify today in support of Danbury Proton's  
15   certificate of need application. The proposed  
16   Danbury Proton technologically advanced facility  
17   will establish, not only the City of Danbury, but  
18   also the State of Connecticut as pioneers in the  
19   healthcare industry.

20           Countless people will benefit from this  
21   endeavor both directly and indirectly including  
22   residents of Danbury and the Greater Danbury  
23   region, and the best of all, the patients from the  
24   Northeast who will have easy access to the  
25   revolutionary conceivably life-changing and

1 life-saving proton therapy.

2 It is our anticipation that the Danbury  
3 Proton will be a world-class top-rate facility  
4 that will have significant short and long-term  
5 economic research and development, and academic  
6 benefits. Given this opportunity, if approved,  
7 Danbury Proton will be a leader in the field of  
8 computed tomography.

9 This state of the art facility will bring  
10 good paying construction jobs and employ over 30  
11 permanent medical and administrative  
12 professionals. We also expect countless  
13 opportunities for local vendors and an important  
14 addition to our property tax revenue.

15 The city of Danbury has long been the home to  
16 various esteemed healthcare facilities. We  
17 proudly support the healthcare industry, and we're  
18 excited to welcome Danbury Proton as a new part of  
19 our business and medical family.

20 I admire the Danbury Proton team's good and  
21 noble mission, as well as their vision and  
22 perseverance to Connecticut's cancer patients and  
23 their families who too often struggle to find  
24 cutting-edge technology close to home.

25 I applaud and fully support Danbury Proton's

1 vision, and I urge you to do the same by approving  
2 the Danbury Proton certificate of need  
3 application, and I thank you for your time.

4 THE HEARING OFFICER: Thank you, Mayor Cavo. I  
5 appreciate your comments.

6 We're going to move on next to Representative  
7 Callahan.

8 REP. PATRICK CALLAHAN: Thank you, Michaela and thank  
9 you to the members of the Office of Health  
10 Strategy for allowing me to speak today. I've  
11 been on the other side of the Zoom hearings for  
12 many weeks now, as Senator Kushner has, where  
13 we're usually the questioners and not the  
14 testifiers -- but having read through and  
15 researched all the information regarding Danbury  
16 Proton, I'm certainly happy to come here today to  
17 support their application for the certificate of  
18 need.

19 It's a great location -- as you know, the  
20 next closest facility is Boston. The location at  
21 the intersections of 84, Route 7 and 684, a short  
22 distance away, makes this very accessible -- not  
23 to mention Danbury Airport is a hop, skip and a  
24 jump for people to reach the facility.

25 The draw up of the construction plan is

1 looking innovative and will create many jobs in  
2 the area. We have Western Connecticut State  
3 University which has the number one nursing  
4 program in the state close by. We have -- after  
5 reading your website, the need and the number of  
6 people that can be treated with this innovative  
7 and very low invasive treatment is -- just would  
8 be such a great addition to the gap in the  
9 healthcare services that we have here in Danbury.

10 We have Danbury Hospital and New Milford  
11 Hospital and Nuvance Health, but there is a gap  
12 for this type of targeted treatment and we  
13 certainly have a need for it.

14 Reading the testimony of people who've been  
15 treated this way with the proton treatment is just  
16 heart wrenching, but also usually the stories end  
17 with a smile because it's been so successful.  
18 So -- not to mention the revenues, as Mayor Cavo  
19 just eloquently stated.

20 It's a win-win for the Danbury area and I  
21 would urge this, the Office of Health Strategy to  
22 approve their certificate of need. And I'm sure  
23 you'll hear more from our Senator Kushner and  
24 Representative Gucker, and I certainly appreciate  
25 you taking the time to listen to me today.

1 THE HEARING OFFICER: Thank you for your comments  
2 Representative Callahan.

3 We will move on to Senator Kushner.

4 SEN. JULIE KUSHNER: Thank you, and thank you for  
5 allowing me to participate here today.

6 Like my colleagues before me have shared,  
7 there are so many benefits to our community and  
8 the State of Connecticut that Danbury Proton will  
9 bring.

10 I did write a letter of support, and I don't  
11 know if that's been received. If not, I'll make  
12 sure that that will be received as my written  
13 comments, but I don't want to repeat what the  
14 others have said. I will just say that as a  
15 longtime resident of Danbury we have a great  
16 quality of life here, and we have wonderful  
17 resources in Danbury Hospital and in the state  
18 university mentioned by Representative Callahan.

19 But this Danbury Proton would really put us  
20 on the map as a center and a focal point for  
21 advanced technology in health care, and I think  
22 that's really important to our part of the state  
23 as well as we can attract people from over the  
24 border of New York to come into Connecticut for  
25 this, what's been called, revolutionary therapy.

1           On a personal note, you know, we all have  
2 members of our family -- I have a brother who  
3 struggles with cancer. And any time there are  
4 innovative strategies, innovative technologies,  
5 new forms of treatment we're so really eager to  
6 see these opportunities extended to everyone.

7           Being located in an urban area like Danbury I  
8 think brings a lot of good to our community and to  
9 those in our community who wouldn't be able to  
10 afford the long trip to Boston or to, you know,  
11 other far distant places. It makes it really  
12 available, and I think there's an element of  
13 equity in that being that we are a very diverse  
14 community that has certainly struggled in terms of  
15 our economic base as well.

16           So I feel really excited about the idea of  
17 Danbury Proton, the new job, the location. And as  
18 has been mentioned, you know, frankly it's really  
19 convenient for people who would bring relatives  
20 there. Family for treatment would have the  
21 benefit of going nearby to the mall and, you know,  
22 having a place to spend time. And I think that,  
23 you know, there's a lot to be gained from locating  
24 this in Danbury, Connecticut.

25           So I hope you will approve the certificate of

1 need, and I know that it will be very beneficial  
2 to our community to have this great resource  
3 located right here in Connecticut.

4 Thank you so much.

5 THE HEARING OFFICER: Thank you, Senator Kushner. I do  
6 wish your brother well with his prognosis.

7 SEN. JULIE KUSHNER: Thank you.

8 THE HEARING OFFICER: You're welcome.

9 Do we have Representative Gucker yet?

10  
11 (No response.)

12  
13 THE HEARING OFFICER: No. All right. So I'm going to  
14 move on to Bill Finch who's, I believe, the former  
15 Mayor of Bridgeport. Is that correct?

16 BILL FINCH: Hi, Michaela. Yeah. It's Bill Finch  
17 here. I'm representing the National Electrical  
18 Contractors Association today, and I want to thank  
19 you just for the time to make some brief remarks.

20 Obviously, our members are very involved in  
21 Western Connecticut and the Greater Danbury area.  
22 We're looking forward to participating in this  
23 project, if that works out -- but certainly our  
24 members are very active in the community and are  
25 concerned about fighting cancer, and all of our

1 families have been touched by it.

2 So we think this is a valid project and we  
3 hope that the commission grants the certificate of  
4 need primarily because we have families, too, and  
5 we want the best for all the families in the  
6 Greater Danbury area.

7 We respect the work of the Commissioner. And  
8 NECA, the National Electrical Contractors  
9 Association and their partner, the IBW strongly  
10 support this project. And any way we can move it  
11 forward just by our brief remarks here today, we'd  
12 like to try to lend our hand.

13 THE HEARING OFFICER: Thank you for your comments,  
14 Mr. Finch.

15 BILL FINCH: Thank you.

16 THE HEARING OFFICER: Representative Gucker?

17 Mr. Rell, I noticed that you -- you actually  
18 alerted me that Mr. Finch was here, and I'm trying  
19 to keep an eye on everybody that's coming, but I  
20 know that you'll know the minute that  
21 Representative Gucker comes.

22 Would you mind sending me another message if  
23 you see him pop in and I don't notice him?

24 MICHAEL RELL: I sure will. No problem.

25 THE HEARING OFFICER: Thank you.

1 All right. So we're going to move on to  
2 Aubrey and Grace El-me [phonetic]. Am I saying  
3 that correctly?

4 AUBREY REICHARD-ELINE: Don't worry. It's okay. It's  
5 E-line [phonetic]. Don't worry. Eline.

6 I don't know how it's put in, so don't worry.  
7 You're doing a good job.

8 THE HEARING OFFICER: All right. So you guys can go  
9 ahead and give your comment. I'm going to give  
10 you three minutes apiece.

11 AUBREY REICHARD-ELINE: Okay. Perfect. Thank you so  
12 much. Hi. I'm Aubrey Reichard-Eline. I'm  
13 Grace's mom -- and you never want cancer in your  
14 home, in your vocabulary, and you absolutely don't  
15 want it with your child.

16 Cancer came into our home with our, at the  
17 time, nine-year-old daughter Grace. And it, you  
18 know, obviously cancer changes everybody's lives,  
19 but especially with a child it changes everything.  
20 You know it affects the child, but it also affects  
21 the entire family.

22 We first learned about proton radiation the  
23 few days after Grace's tumor was found. Grace had  
24 to have chemotherapy and then radiation. And to  
25 us, radiation was just radiation until we learned

1 more about it.

2 And Grace's tumor was in her brain, and we  
3 learned that proton radiation was different than  
4 photon. And it was less impactful to the tissues  
5 around, you know, where the tumor was.

6 So to us, having our, you know, talking about  
7 cancer in our daughter's brain, having proton  
8 radiation, having it be the least impactful, you  
9 know, portion of her treatment, and having that  
10 option was absolutely imperative to it. You know,  
11 a young brain being formed and it was absolutely  
12 imperative that we had that type of treatment  
13 versus what the other one, what the other options  
14 were.

15 For Grace, where we got our treatment was at  
16 Rutgers Cancer Institute in New Brunswick, New  
17 Jersey. And the cancer center was -- made it a  
18 fun experience, which I know sounds really weird  
19 when you're talking about cancer, especially with  
20 a child.

21 But they were beautiful, amazing staff. They  
22 played music and they had lights. So for our  
23 nine-year-old daughter it was -- it made it a fun  
24 experience. It took some of the scary out of it.

25 She also had to have a mask that they used to

1 bolt her to the table. So she did not move to  
2 receive this precise treatment, which is super  
3 scary -- but the center painted it. Grace's mask  
4 was actually the first one that they painted like  
5 Wonder Woman.

6 And now everybody there gets their -- they  
7 get to pick and they get their mask painted, which  
8 was, you know, again, when you're talking about  
9 pediatric cancer, it's not fun, but it was a way  
10 of easing the scary part of it.

11 The most important thing that I want to speak  
12 to is the location of the center. It was close to  
13 home for us, so we didn't have to travel. We had  
14 to travel 30 minutes. We didn't have to move  
15 somewhere for the 30 days of Grace's treatment.  
16 We could have it close to home so Grace could, at  
17 that point, go back to school. She'd leave school  
18 early, go to her treatment and then could resume  
19 her after-school activities, which was amazing.

20 We didn't have to leave. We could stay in  
21 our home so that, you know, my husband and Grace's  
22 brother didn't have to have that disruption of us  
23 leaving and moving out for a month for her  
24 treatment. So having that option of having  
25 something close to home was amazing.

1           Also Grace was able to, on days that she  
2           didn't feel well, she was able to come home and  
3           sleep in her own bed, lounge on her own couch and  
4           feel comfortable. So that close to home and that  
5           proximity of care was huge for our family, not  
6           only because of the ease of traveling -- the  
7           mental aspect of it was huge that there wasn't,  
8           you know, this disruption, not only to Grace, but  
9           to our entire family. So that that close-to-home  
10          care was imperative.

11          Also from a cost perspective we were, you  
12          know, renting a hotel room for a month. So all of  
13          that factored into why we think it's really  
14          important and why we're here today to speak to,  
15          you know, having access to care close to home,  
16          both from a cost perspective plus the, you know,  
17          disruption to the family is, you know, imperative  
18          to have that close access to care for families,  
19          especially when you're, you know, dealing with a  
20          child.

21          Grace was nine, but there's kids a lot  
22          younger that get proton therapy. And you know,  
23          having access to proton therapy where it's less  
24          invasive and less damaging to the tissues around  
25          these sensitive areas in these growing children is

1           so important.

2           So that's why I'm here to say I would approve  
3 this, and if I think about the number one reason  
4 to approve it, it's for the kids. It keeps them,  
5 you know, intact and close to home and gives them  
6 access to, you know, less disruptive care.

7           So thank you so much for having me here, and  
8 I'm going to turn it over to Grace, which is  
9 really where my cancer journey started.

10 **GRACE ELINE:** Hi, everybody. My name is Grace Eline  
11 and I am twelve years old.

12           So when I was nine years old I was diagnosed  
13 with germinoma, a germ cell brain tumor. And  
14 before my diagnosis I went through a bunch of  
15 tests, scans, and different types of appointments  
16 to determine which type of tumor I had and what my  
17 treatment plan was going to be.

18           And once we found out my treatment plan, it  
19 was to have four rounds of chemotherapy  
20 administered at the Valerie Fund Center at Newark  
21 Beth Israel Medical Center. And then I had 24  
22 rounds of proton radiation at Rutgers Cancer  
23 Institute of New Jersey.

24           And after my treatment I was very eager to  
25 help different children like me who were going

1 through their own cancer journey, specifically  
2 having the proton radiation. So I've been a  
3 pediatric cancer advocate for many different  
4 reasons. I was a keynote speaker at the 10th  
5 annual Child Cancer Caucus, and I was also a guest  
6 at the 2019 State of Union. And I was so honored  
7 to represent pediatric cancer as the President  
8 pledged \$500 million for this much needed  
9 pediatric cancer research.

10 And I share this because my heart goes out to  
11 all the children in Connecticut who are facing  
12 childhood cancer and who need this very much  
13 important proton therapy. So I would -- I mean,  
14 it just means so much to have proton therapy close  
15 to your home, especially if after a long day of  
16 proton therapy.

17 If you just don't feel good having that  
18 comfort of proton therapy close to your home, I  
19 mean, it made all the difference for me and I know  
20 that it will make all the difference for the  
21 children.

22 So please approve the Danbury Proton's  
23 application for the certificate of need, and I  
24 know that it will help children all over the state  
25 of Connecticut. And thank you so much again for

1           having me here today.

2   **THE HEARING OFFICER:** Thank you both for your comments.  
3           Let me just say, Grace, you're so eloquent in  
4           you're speaking and talking about what you've been  
5           through.

6   **GRACE ELINE:** Thank you.

7   **THE HEARING OFFICER:** Let me just ask you really  
8           quickly, how are you feeling?

9   **GRACE ELINE:** I'm feeling very good right now. I'm  
10          NED, or no evidence of disease, and I've been  
11          cancer free for over two years now.

12                 And I mean, I feel great.

13   **AUBREY REICHARD-ELINE:** We're coming up on -- actually  
14          April 9th is the anniversary of us finding Grace's  
15          tumor. So we're very fortunate we're in the place  
16          that we are right now, because we know it can be  
17          very different. So we feel very fortunate and  
18          compelled to pay it forward.

19   **THE HEARING OFFICER:** That's wonderful news. Stay  
20          well. Thank you so much for your comments. I  
21          just want to ask one other question. You all are  
22          residents of New Jersey. Right?

23   **AUBREY REICHARD-ELINE:** Yes.

24   **GRACE ELINE:** Yes.

25   **THE HEARING OFFICER:** Okay. All right. I just wanted

1 to make sure I kept it in perspective -- but thank  
2 you so much for your comments and your time.

3 AUBREY REICHARD-ELINE: Thank you. Thank you. Thank  
4 you, everyone.

5 THE HEARING OFFICER: So we're going to move on to a  
6 Representative Gucker.

7 THE REPORTER: This is the Reporter. I'm not hearing  
8 any testimony.

9 THE HEARING OFFICER: Yeah, he's muted. Let's see if I  
10 can help him out.

11 There we go.

12 REP. KENNETH GUCKER: Terribly sorry. I think that it  
13 was my turn and I was in the other room  
14 actually --

15 THE HEARING OFFICER: That's okay. That's okay. Are  
16 you ready to go forward with the comments?

17 REP. KENNETH GUCKER: Absolutely. Number one, I want  
18 to thank you for having this meeting. And I think  
19 this is a terribly important area that we should  
20 be looking at here in Connecticut, not only as a  
21 economic driver but also just for the health,  
22 safety and well being of the people in our  
23 community.

24 One of the things that unfortunately I had to  
25 deal with as a state rep is my mother is a cancer

1 survivor. My mother had to travel long distances  
2 out of, you know, down to Yale and other places  
3 to, you know, deal with her breast cancer.

4 You know, had we had proton technology here  
5 in Danbury, she could have taken the ten-minute  
6 drive from the town of New Fairfield to my home,  
7 to Danbury, and it would have been a lot better  
8 for her, a lot easier for her because, you know,  
9 it's not just so much getting the therapy and the  
10 treatment, but it's the drive and the time, and  
11 then the after times. You know, the ill effects  
12 that go along with, not only having the radiation  
13 treatments, but then also having the chemo  
14 treatments.

15 From what I'm understanding by sitting down  
16 with the owners and the proponents of this, the  
17 ill effects aren't there. The ill effects are  
18 more targeted. You know, it's more of a holistic  
19 right on the spot, we can treat this location  
20 where we have, when we have this affliction, as  
21 opposed to having to treat the entire body, which  
22 then leads to a lot of side effects that aren't  
23 there.

24 So I'm a wholehearted supporter of that, just  
25 from even the experiences I've had with cancer

1 myself and not knowing how she was going to come  
2 out of it. I mean, luckily she's been cancer free  
3 now for the last year and a half. So it worked.  
4 But she paid -- she paid a heavy price, and I  
5 think with this kind of therapy being here in town  
6 she wouldn't have had to suffer so much.

7 She wouldn't have had to be ill so long. She  
8 wouldn't have had to have gone through as much as  
9 she did.

10 But even beyond that, we talk about here in  
11 Connecticut with, you know, opportunities to bring  
12 in more, you know, better, better suited things  
13 for Connecticut. We are right here on the cusp of  
14 the border of New York, in Danbury to be able to  
15 build this.

16 We could bring in patients from not only all  
17 through Connecticut, but through Westchester  
18 County. New Jersey is not that far away, as you  
19 see. Pennsylvania, it actually is a mile -- is an  
20 hour and a half away. You know, to where if they  
21 don't have proton treatments in those areas,  
22 people will be traveling to Connecticut.

23 And if we want to get into the economic  
24 drivers of it, just the building of the facility  
25 is going to keep our building trades going for

1 quite a while. They have an innovative method of  
2 how they're going to build this, which is  
3 fantastic. It's actually very energy efficient,  
4 very environmentally sound.

5 Being underground, being sheltered and being  
6 in the area where this piece of property, quite  
7 honestly, couldn't be used for much more than  
8 anything else. You know, you cannot put  
9 residential development there. You can't build  
10 anything other than proton energy there. Being  
11 that it's in the flight path of the Danbury  
12 Airport, you know, so the restrictions of even  
13 that. This is a perfect spot.

14 You know, here in Danbury, where we're going  
15 to talk about we have, you know, a world-class  
16 hospital around the corner. We can have  
17 world-class treatment for cancer right here in  
18 Danbury, and we can keep building up that, that  
19 end of it.

20 I mean, it's a great idea. I cannot speak  
21 more highly for how good this would be  
22 economically, health-wise, convenience-wise, and  
23 you know, when opening it up, an opportunity to  
24 folks to be able to get this therapy that they  
25 normally wouldn't have to.

1           They wouldn't have to suffer like my mother  
2 did with the chemo and with the radiation, and the  
3 other things that could go in here and actually  
4 have this, this therapy. It's wonderful.

5           And now if you can use this for fixing  
6 gallstones I'll be in there tomorrow, because I  
7 need to get gallstone surgery soon. So -- but no,  
8 honestly it's fantastic.

9           You know, economically, jobs-wise and also  
10 health-wise where the health is where I'm more  
11 about -- and environmentally. It's an  
12 environmentally sound project as well.

13           So thank. I don't know if you have any  
14 questions or any other things I need to address.

15 **THE HEARING OFFICER:** No, I do not. Thank you.

16 **REP. KENNETH GUCKER:** I tend to speak off the cuff.

17 **THE HEARING OFFICER:** No, that's okay. Thank you so  
18 much for your comment.

19           So the next person I have -- I think he  
20 stepped away from his computer. It's Brad Gute.  
21 I think it's G-u-t-e.

22           So I see you came back. Did I did I  
23 pronounce your name correctly? Can you spell it  
24 for me?

25 **BRAD GUTE:** Thank you. Yes, my name is Brad Gute, and

1 I live on Long Island. And ten years ago I was  
2 diagnosed with prostate cancer and began to do my  
3 research.

4 I met with robotic surgery doctors. I met  
5 with IMRT radiologists. That's the traditional  
6 radiology. And I was introduced to someone who  
7 had -- who lives in the New Mexico area, and he  
8 had gone to Loma Linda University for proton beam  
9 radiation where that's kind of the founding spot  
10 of the proton beam radiation.

11 And he was so happy with his results. I  
12 continued to do some more homework and studying,  
13 and I determined that this sounded like the best  
14 course of action, even if I did have to travel.

15 At that time 10 years ago the nearest center  
16 was in Philadelphia, which is about a three-hour  
17 drive for me. And since the treatments at that  
18 time were 44 treatments over about a 2 and a  
19 half-month period, I certainly wasn't going to  
20 drive six hours a day.

21 So I was going to rent a place there and just  
22 stay there -- but it was in the winter and it's  
23 cold out in the winter. So I decided to go to  
24 California and be treated at Loma Linda University  
25 where it all started.

1           I actually call it -- and some, I didn't coin  
2 this phrase, but I called it a radiation vacation  
3 because it was painless. I was able to golf every  
4 day. I was able to function beautifully, and here  
5 I am ten years later and it is gone.

6           My urologist told me just the other day -- I  
7 just happened to go for my annual physical. He  
8 said, you're past ten years now. Your PSA levels  
9 are perfect. He said, the odds of it returning,  
10 while he can't guarantee anything, the odds of it  
11 returning are very slim.

12           I met a bunch of people who came there from  
13 all over the country and other countries, because  
14 that was one of the few spots available here in  
15 the United States at the time. And as far as I  
16 know -- because I've kept in touch with a number  
17 of them, they are all fine.

18           This, this procedure -- this proton beam  
19 radiation is so precise that it does 99 percent of  
20 the damage at the site and very minimal damage  
21 going in, and no damage through the site. So it  
22 is the most wonderful procedure I believe that  
23 anyone can have.

24           And I also understand that it's being used on  
25 many different cancers now. Prostate cancer, I

1 believe, was the number one use for proton beam  
2 therapy, but I won't extend my time too much more.

3 This is state of the art. I think you guys  
4 will do as, as people have said in the past,  
5 wonderfully economically -- but more important,  
6 this is going to save lives and help people very  
7 much.

8 Thank you.

9 THE HEARING OFFICER: You're welcome. I just want to  
10 thank you for your comments and let you know I'm  
11 glad you're doing better.

12 BRAD GUTE: Thank you.

13 THE HEARING OFFICER: You're welcome.

14 All right, so we'll go to Mr. Marshall  
15 Rankowitz.

16 MARSHALL M. RANKOWITZ: Thank you. So twelve years ago  
17 I was diagnosed with prostate cancer and I lived  
18 two miles away from where the Danbury Proton site  
19 is expected to be built. I live in Ridgefield,  
20 Connecticut. I've lived there more than 30 years.

21 So I'm now 72 years old. I was 60 at the  
22 time of diagnosis. I also, like Brad, I did a lot  
23 of research on where to go to get treated. I went  
24 through all the options. Proton therapy ended up  
25 as my number one choice.

1           The hospitals I had to choose from at the  
2 time were Mass General, MD Anderson, and Loma  
3 Linda. I went to Mass General first, but Mass  
4 General at the time was really favoring children's  
5 cancers -- and neck, neck and head cancers  
6 primarily.

7           And I was basically told, if you have  
8 prostate cancer you'll be knocked out on days when  
9 machinery is not working. So it, you know, the  
10 oncologists were kind of discouraging me from  
11 coming there. And to make a long story short, I  
12 also, like Brad, ended up at Loma Linda.

13           And really the only thing I wanted to say  
14 that it's different from Brad is -- because my  
15 experience was the same as his. I was treated  
16 over 45 treatments over nine weeks. I felt  
17 terrific during the treatments. I had no side  
18 effects during the treatments.

19           I worked a full day. I should have mentioned  
20 to you, I'm in the financial industry. So I found  
21 an office out in California. Basically I worked  
22 from six in the morning until one in the  
23 afternoon. I ran over to the hospital. I was in  
24 and out of the hospital every day in 30 minutes,  
25 and then I exercised every day.

1           During the treatments you can function.  
2           Obviously, I was able because -- financially  
3           capable of going away for nine weeks, but if this  
4           was local it would open the doors for so many  
5           people who basically could take a half an hour out  
6           of their day, get treated and still function  
7           wonderfully. So to me that's the most important  
8           thing I can say.

9           I wish it was available when I had cancer.  
10          My oncologist didn't even know what proton therapy  
11          was twelve years ago, but I think everyone knows  
12          now. There are centers going up all over the  
13          country. I believe very strongly that it is the  
14          radiation of choice when you have a defined tumor.

15          You know, that is the right thing to use if  
16          you're going to use radiation. So I just wanted  
17          to say those things. I wish Danbury Proton well.  
18          I hope this thing happens and it will be a big  
19          boon for our area, and for really the people who  
20          live here, most important.

21          Thank you.

22          **THE HEARING OFFICER:** Thank you very much for your  
23          comments, Mr. Rankowitz. I'm so glad that you're  
24          feeling better.

25          **MARSHALL M. RANKOWITZ:** Thank you.

1 THE HEARING OFFICER: You're welcome.

2 Next we have Rich, I believe it's Obarowski.

3 RICHARD OBAROWSKI: Perfect pronunciation. Thank you  
4 very much for allowing me to speak. Marshall  
5 Rankowitz is a good friend of mine, so some of the  
6 things that you heard him say I'm not going to  
7 repeat.

8 My wife and I have been residents of New  
9 Fairfield for 34 years. We've raised two boys who  
10 are now 36 and 39 and married. We're just waiting  
11 for the grandchildren.

12 I retired from a career of engineering  
13 operations and quality assurance in 2016. In 2018  
14 I was diagnosed with prostate cancer. It's a hell  
15 of a decision to make when you find out you have  
16 cancer.

17 I talked in depth with Marshall and I did a  
18 lot of research. I read the Harvard School of  
19 Medicine's Prostate Disease and Treatment book. I  
20 read Rob Marckini's, You can beat Prostate Cancer  
21 Without Surgery -- and went in to see my urologist  
22 with a lot of information.

23 And so he said to me, if you were younger  
24 than 55 I'd recommend surgery. If you are over 70  
25 I'd recommend radiation. At 66 I was in the

1 middle.

2 I said to him, what do you think about proton  
3 beam radiation?

4 He said, radiation is radiation. He was not  
5 obviously versed in this.

6 I saw him within the last six months. I  
7 asked him if he knew about this project. He said  
8 he did not. So the word is not out there about  
9 this therapy.

10 I had more choices than Brad and Marshall did  
11 when I went to Mass General. And like Marshall  
12 said, their focus is pediatric, neck and brain.  
13 They were going to fit me in two and a half months  
14 after I was there, and that was literally what  
15 they said, fit me in. Was not feeling good about  
16 them.

17 My second choice was ProCure in Somerset, New  
18 Jersey. My wife and I went down there and it's  
19 not their official model, but their unofficial  
20 model is high tech, high touch. They're very,  
21 very sensitive to their patients. Everybody we  
22 met there was concerned about my well being and my  
23 wife's wellbeing.

24 So I started my nine-week journey down there  
25 with that little bit of an intricate way of doing

1 it. I would drive down on Monday, as Brad and  
2 Marshall said, fully functional. Get treated  
3 Monday afternoon, stay over Monday night in a  
4 hotel. A Friend of mine from Florida would call  
5 me every Monday night and we talk about Monday  
6 night football. Tuesday I'd be treated and drive  
7 back.

8 Wednesday I got four of my buddies who  
9 rotated through driving me back and forth on  
10 Wednesday for my treatment. Thursday, Jen and I,  
11 my wife, would drive down; I'd get treated.  
12 Thursday night was date night, and Friday she  
13 would drive me home.

14 The one side effect I did feel during the  
15 therapy was fatigue. So the idea of doing that  
16 two-hour drive on Friday was not within my  
17 capability. Other than that I was fine.

18 So it did take a toll on logistics, but I did  
19 have a great support network and that's one of the  
20 things I want to say. Building the center here  
21 would so much reduce that stress on family and  
22 friends of commuting for treatment.

23 I am now two years cancer free. I have  
24 zero -- let me repeat, zero side effects. It's  
25 amazing. I talked to about 20 guys, most of which

1 who are total strangers. And they talk about the  
2 intimate problems you could have with this  
3 surgery, and they all share that with me. And I  
4 had -- I'll say it again, zero side effects.

5 I am a very proud cancer survivor; totally  
6 support proton beam technology and totally support  
7 proton in Danbury because it's going to bring a  
8 lot less stress to families who need this  
9 treatment.

10 Again, thank you for having me.

11 THE HEARING OFFICER: Thank you for your comments. I'm  
12 glad you're feeling better as well, Mr. Obarowski.

13 All right, so we are going to go to Mr.  
14 Daniel Mack-er-nin-ee [phonetic] -- McInerney.  
15 Got it.

16 DANIEL W. MCINERNEY: That was very good. My name is  
17 Dan McInerney. I'm the business manager for the  
18 International Brotherhood of Electrical Workers,  
19 IBEW, Local 488. We serve most of Western  
20 Connecticut and have many, many, members who live  
21 in Danbury and the surrounding area.

22 I'm in favor of the certificate of need for  
23 Danbury Proton. Just listening to all of these  
24 heart wrenching stories of the people who have  
25 already gone through this and how much better it

1 would be to be in a local area such as this is  
2 compelling.

3 Most families have lost loved ones to cancer.  
4 I'm no different. Most of my members are the same  
5 way, and a facility like this can give hope to  
6 those who have really been stricken with this  
7 cancer.

8 Our members work on these types of facilities  
9 and hope that they or their families never have to  
10 use them, but knowing that they're in the area has  
11 to give them some type of comfort if they had to  
12 use them. Not only that, this would definitely be  
13 a tremendous economic driver for the local area.

14 I would urge you all to support the  
15 certificate of need for Danbury Proton. Thank you  
16 very much.

17 **THE HEARING OFFICER:** Thank you for your comments.

18 Okay. So we're going to move on to Dr. Andrew  
19 Salner.

20 **ANDREW SALNER:** Thank you, Attorney Mitchell and OHS  
21 officials for giving me the opportunity to speak.  
22 I'm Dr. Andy Salner. I'm the Medical Director of  
23 the Hartford HealthCare Cancer Institute at  
24 Hartford Hospital, and a member of the Yale New  
25 Haven Health and Hartford HealthCare team that

1 also has a CON pending for a proton therapy  
2 Center.

3 I would first like to start by agreeing with  
4 many of the speakers this afternoon who argue for  
5 having a proton center here in Connecticut. I  
6 totally agree with Grace and her mom, and the  
7 other speakers that in order to access this  
8 lifesaving technology we need to have a center  
9 right here in Connecticut.

10 I wanted to speak briefly about the  
11 importance of referral relationships in  
12 establishing and maintaining any healthcare  
13 service, including proton therapy services, and  
14 also wanted to clarify for OHS what it means to be  
15 an affiliated proton therapy center and what that  
16 means for patients.

17 Referral relationships are crucially  
18 important in the treatment of cancer. Cancer  
19 treatment is usually multimodal, meaning that  
20 patients are receiving multiple treatments even at  
21 the same time, including chemotherapy and  
22 radiation therapy at the same time.

23 Referral relationships are part of providing  
24 the most effective treatment for the patient,  
25 maintaining good coordination of care for the

1 patient during their treatment. Physicians who  
2 already provide cancer services in the state have  
3 established referral relationships as patients are  
4 referred to us for traditional radiation therapy  
5 and other cancer treatments. These patients are  
6 often treated jointly with their medical teams  
7 where these physicians are within the health  
8 systems, or referred from other health systems or  
9 independent practices and hospitals.

10 Also to clarify for the record, a proton  
11 therapy center that is affiliated with a  
12 healthcare system is not a closed referral  
13 facility. Affiliations are not exclusionary,  
14 meaning a center like the one we have proposed  
15 will not exclude patients referred by nonsystem  
16 providers or even self-referred patients.

17 Our facility that's proposed, like most  
18 freestanding proton centers in the United States,  
19 will be affiliated with the healthcare system and  
20 accept referrals from all providers and systems  
21 within the state as well as self-referred  
22 patients.

23 Thanks so much for the opportunity to make my  
24 comments.

25 **THE HEARING OFFICER:** Thank you.



1 MR. HARDY: Thank you, Attorney Mitchell.

2 I really don't have a closing statement  
3 because I don't think I can improve upon the  
4 statements that have been given this afternoon by  
5 patients who have treated with proton therapy and  
6 have survived cancer.

7 The importance of bringing that therapy close  
8 to home for patients and families is the key, and  
9 I'm happy to let this rest with the testimony of  
10 the patients this afternoon.

11 THE HEARING OFFICER: All right. I do thank everybody  
12 for their participation. Also with the feedback  
13 that you experienced when I was speaking, I'm so  
14 sorry about that.

15 We are going to go ahead and adjourn for  
16 today. I'll leave the record open at least until  
17 April 9 of 2021.

18 Attorney Hardy, if you need any additional  
19 time, please feel free to reach out to me and we  
20 will accommodate you as best as we can.

21 Everybody have a great weekend.

22  
23 (End: 4:49 p.m.)  
24  
25

STATE OF CONNECTICUT  
(Hartford County)

I, ROBERT G. DIXON, a Certified Verbatim Reporter, and Notary Public for the State of Connecticut, do hereby certify that I transcribed the above 199 pages of the STATE OF CONNECTICUT OFFICE OF HEALTH STRATEGY, PUBLIC/ADMINISTRATIVE HEARING, in Re: DOCKET NO: 20-32376-CON, ACQUISITION OF A COMPUTED TOMOGRAPHY ("CT") SIMULATOR AND TECHNOLOGY NEW TO THE STATE, (STATUTE REFERENCE 19A-639) BY DANBURY PROTON, LLC (DANBURY, CT), on April 1, 2021, via teleconference.

I further certify that the within testimony was taken by me stenographically and reduced to typewritten form under my direction by means of computer assisted transcription; and I further certify that said deposition is a true record of the testimony given in these proceedings.

I further certify that I am neither counsel for, related to, nor employed by any of the parties to the action in which this proceeding was taken; and further, that I am not a relative or employee of any attorney or counsel employed by the parties hereto, nor financially or otherwise interested in the outcome of the action.

WITNESS my hand and seal the 30th day of April, 2021.



Robert G. Dixon, CVR-M No. 857

My Commission Expires:

6/30/2025

1  
2 **INDEX**

3 <b>WITNESS</b>		4 <b>PAGE(s)</b>
5 <b>Stephen Courtney</b>	6 <b>11, 85, 88, 107, 124, 132, 137, 149,</b>	7 <b>157</b>
8 <b>Michael Moyers</b>		9 <b>20, 82</b>
10 <b>Lionel Boucher</b>		11 <b>27, 106, 152</b>
12 <b>Drew Crandall</b>		13 <b>33, 146</b>
14 <b>Andrew Chang</b>		15 <b>40, 103, 117, 134, 141</b>
16 <b>Deborah Hickey</b>		17 <b>52</b>
18 <b>Donald Melson</b>		19 <b>55, 101, 151</b>
20 <b>Steve Coma</b>		21 <b>60, 128</b>
22 <b>Leslie Yonemoto</b>		23 <b>63, 87, 95, 102, 108, 140, 145</b>
24 <b>Robert Marckini</b>		25 <b>70</b>

(All Witnesses sworn on page 10)